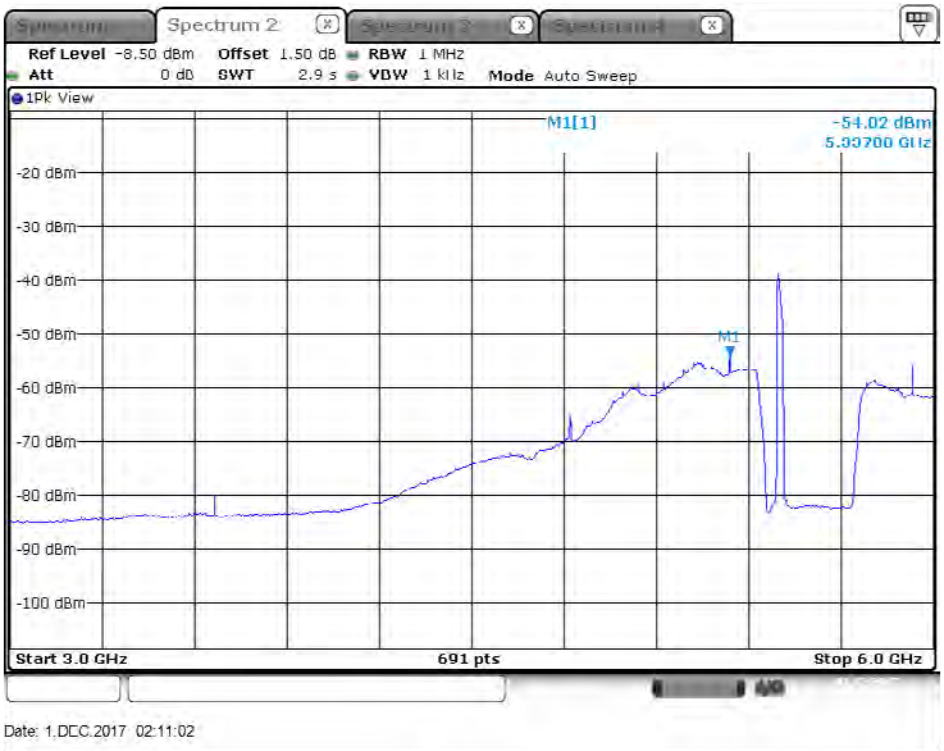
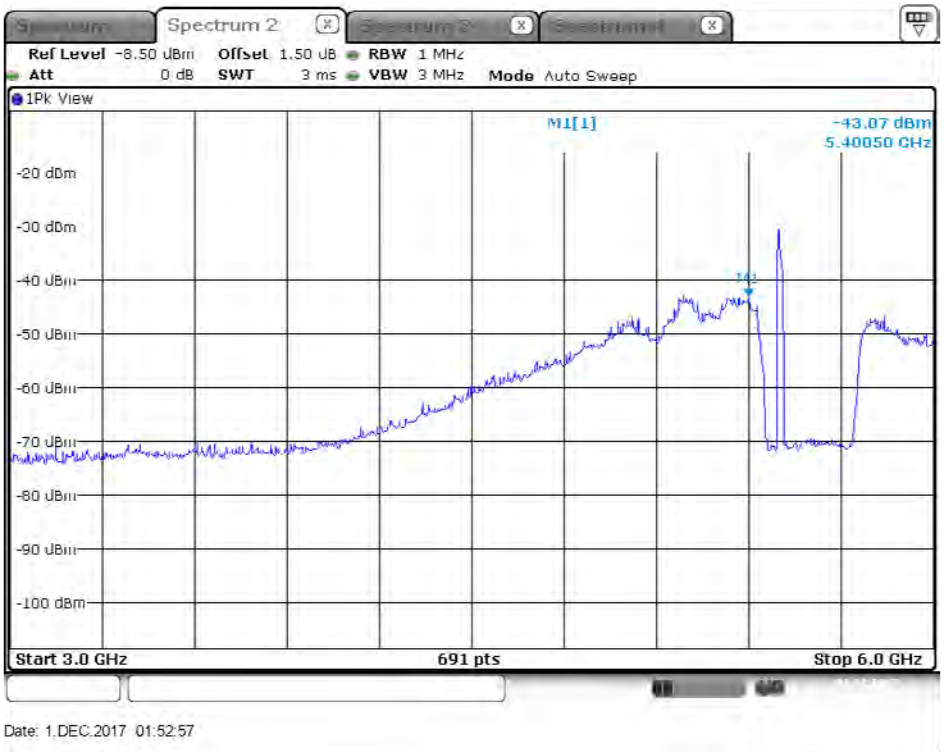
Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 1 / 3GHz~6GHz

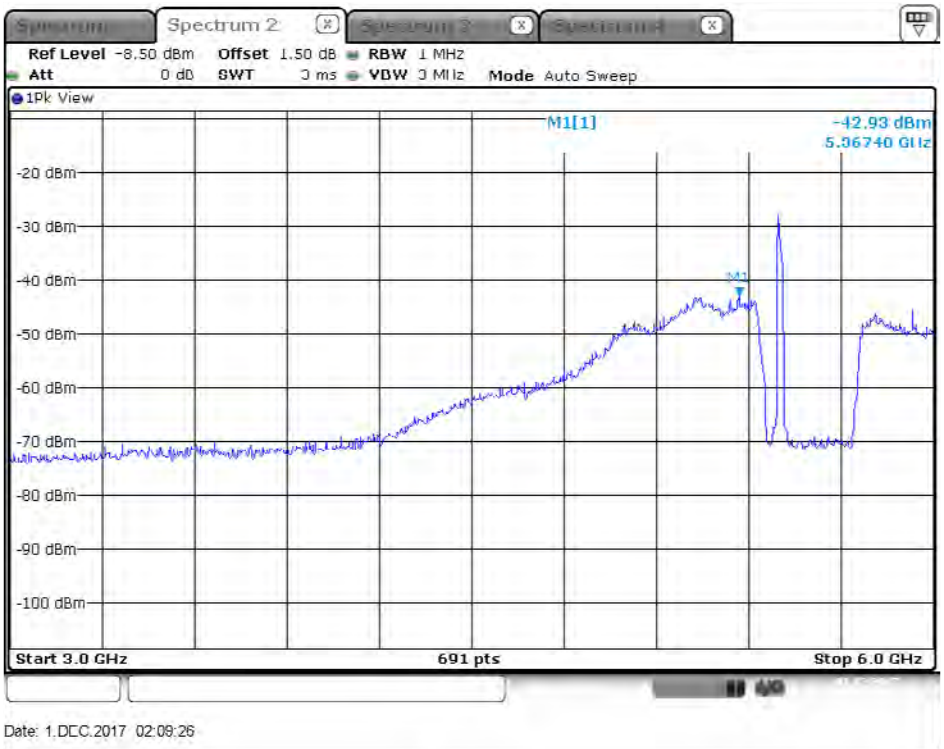
Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 2 / 3GHz~6GHz



Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 1 / 3GHz~6GHz



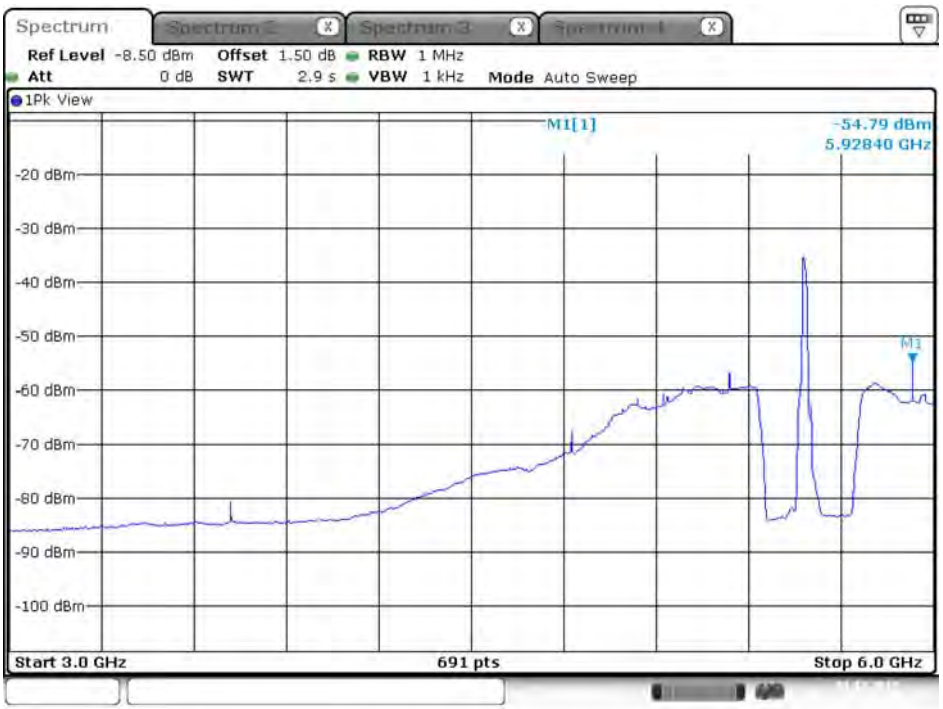
Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 2 / 3GHz~6GHz



Plot on Configuration QPSK, 20M / 5580 MHz / Average / Port 1 / 3GHz~6GHz

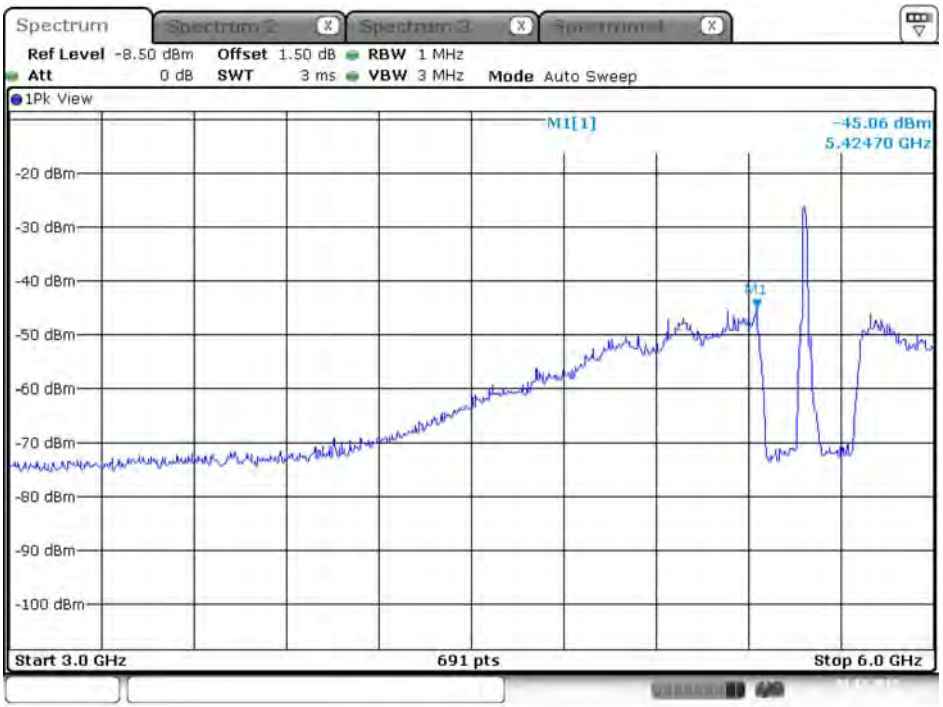
Date: 1.DEC.2017 11:43:34

Plot on Configuration QPSK, 20M / 5580 MHz / Average / Port 2 / 3GHz~6GHz



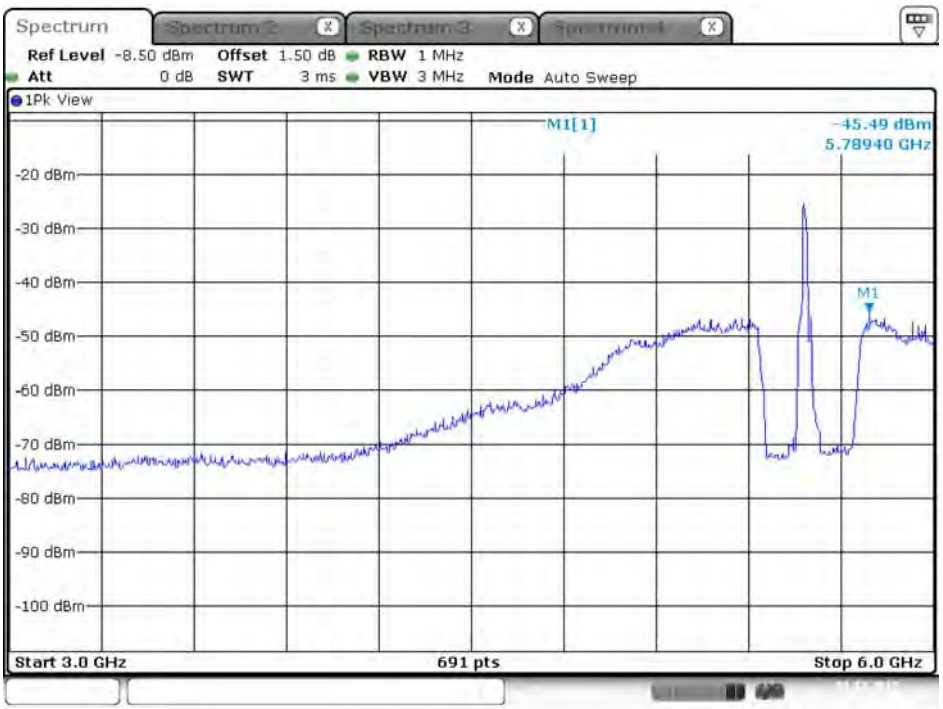
Date: 1.DEC.2017 11:11:26

Plot on Configuration QPSK, 20M / 5580 MHz / Peak / Port 1 / 3GHz~6GHz



Date: 1.DEC.2017 11:45:24

Plot on Configuration QPSK, 20M / 5580 MHz / Peak / Port 2 / 3GHz~6GHz

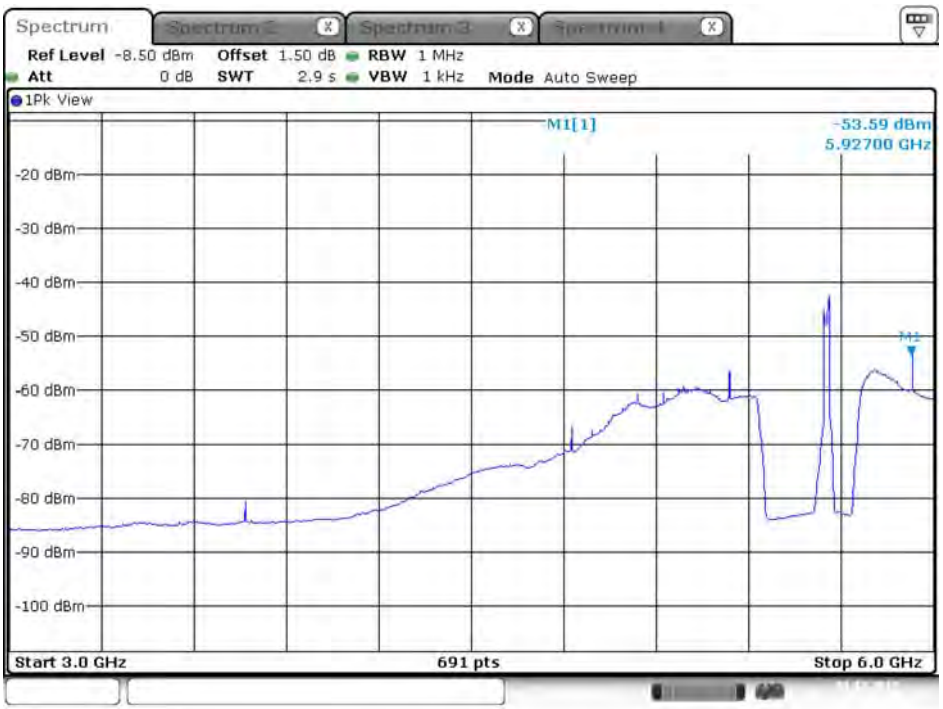


Date: 1.DEC.2017 11:12:25

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 1 / 3GHz~6GHz

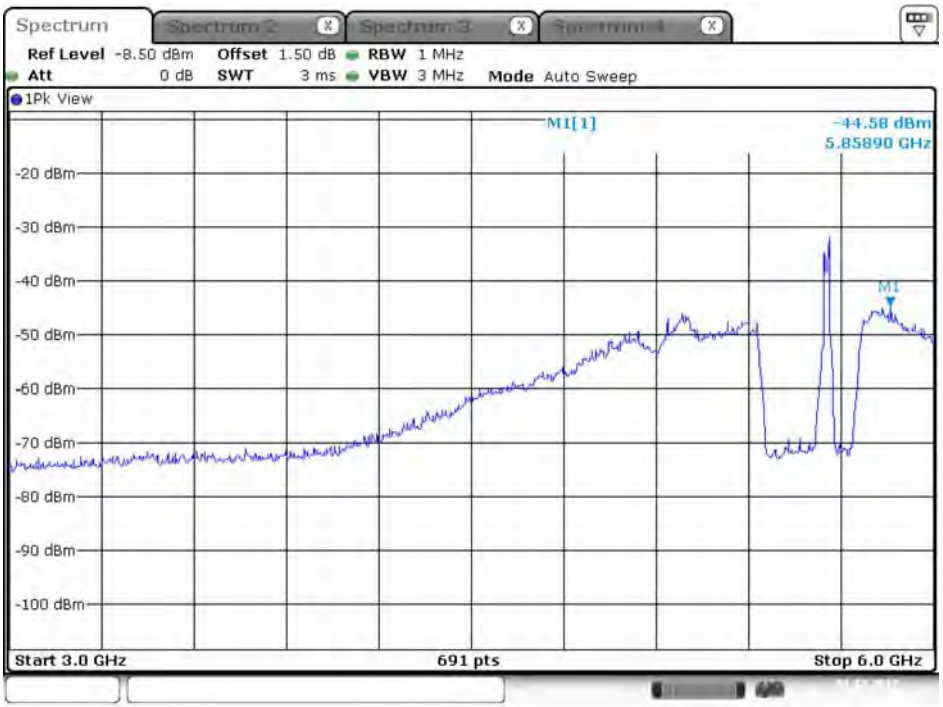
Date: 1.DEC.2017 11:50:04

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 2 / 3GHz~6GHz



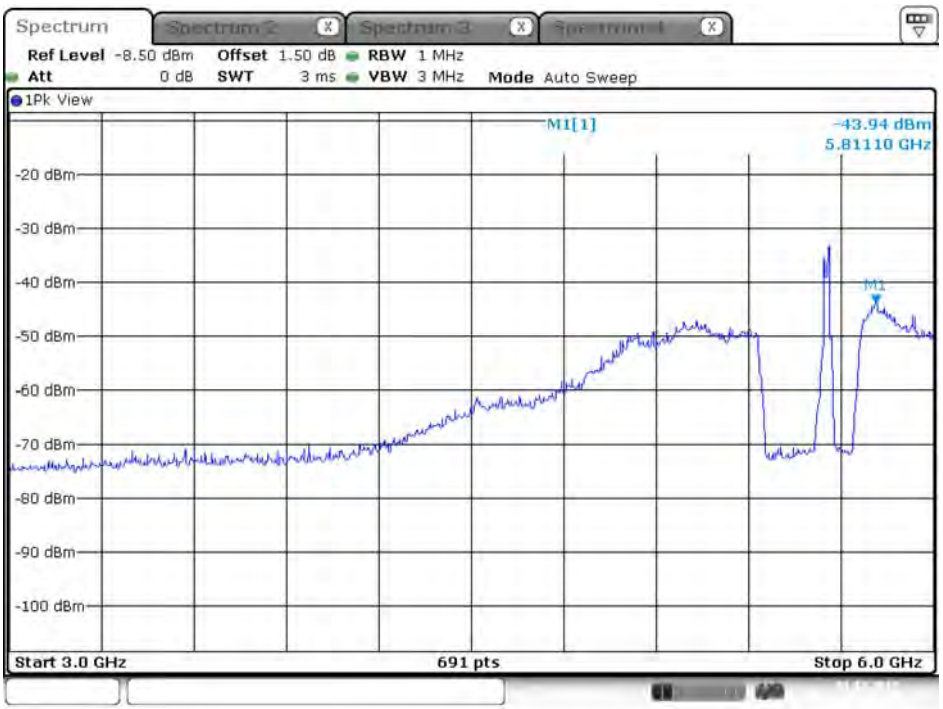
Date: 1.DEC.2017 11:07:46

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 1 / 3GHz~6GHz



Date: 1.DEC.2017 11:51:44

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 2 / 3GHz~6GHz



Date: 1.DEC.2017 11:09:16

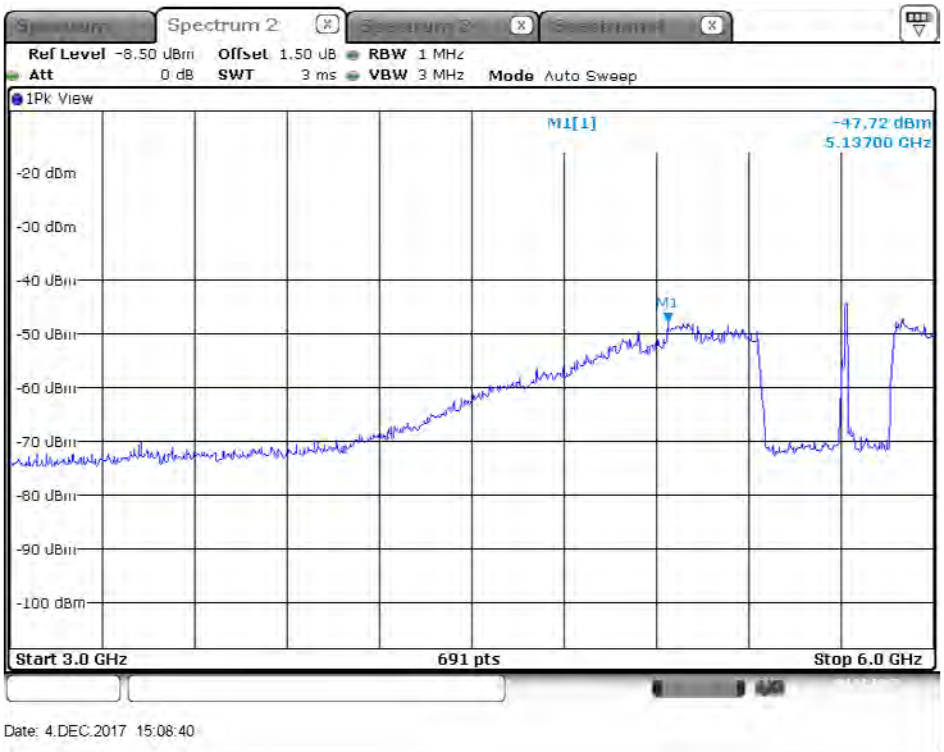
Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 1 / 3GHz~6GHz

Date: 4.DEC.2017 15:07:17

Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 2 / 3GHz~6GHz

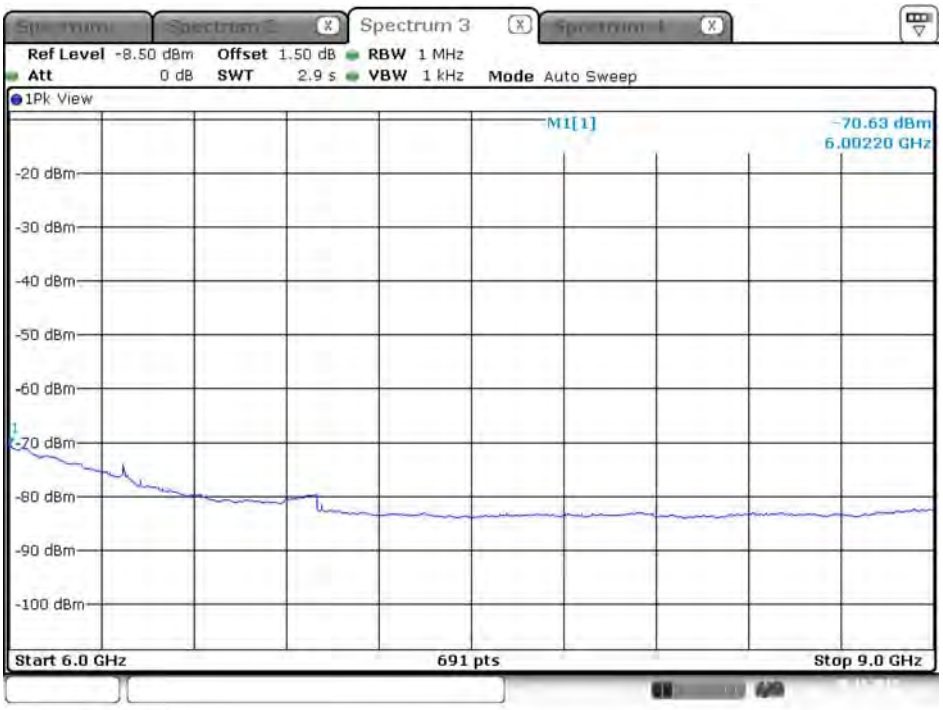
Date: 4.DEC.2017 16:01:38

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 1 / 3GHz~6GHz



Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 2 / 3GHz~6GHz

Plot on Configuration QPSK, 20M / 5260 MHz / Average / Port 1 / 6GHz~9GHz

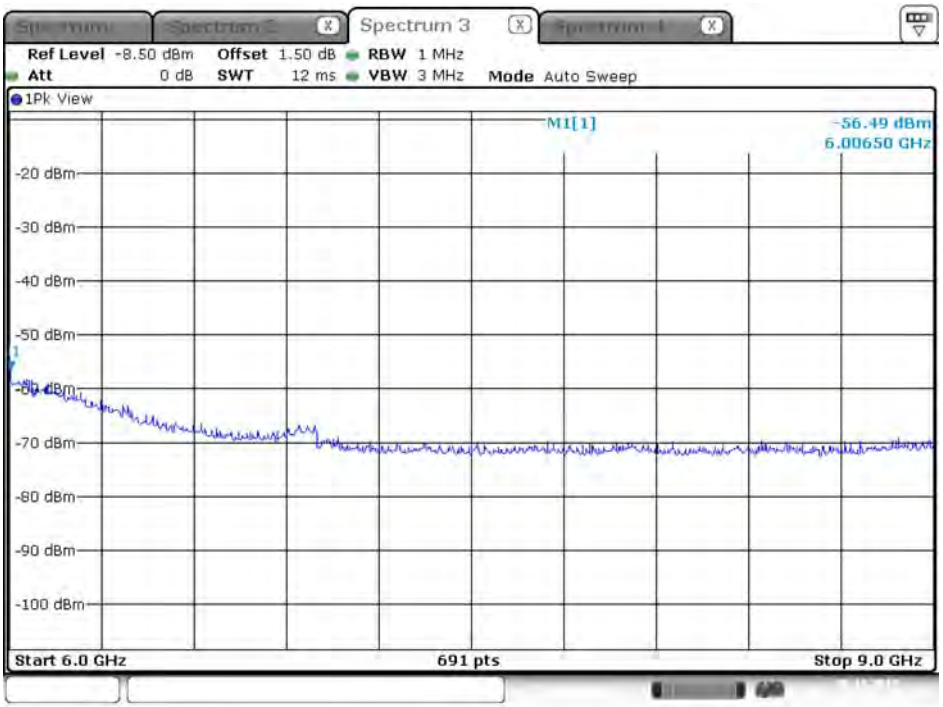


Date: 30.NOV.2017 20:59:36

Plot on Configuration QPSK, 20M / 5260 MHz / Average / Port 2 / 6GHz~9GHz

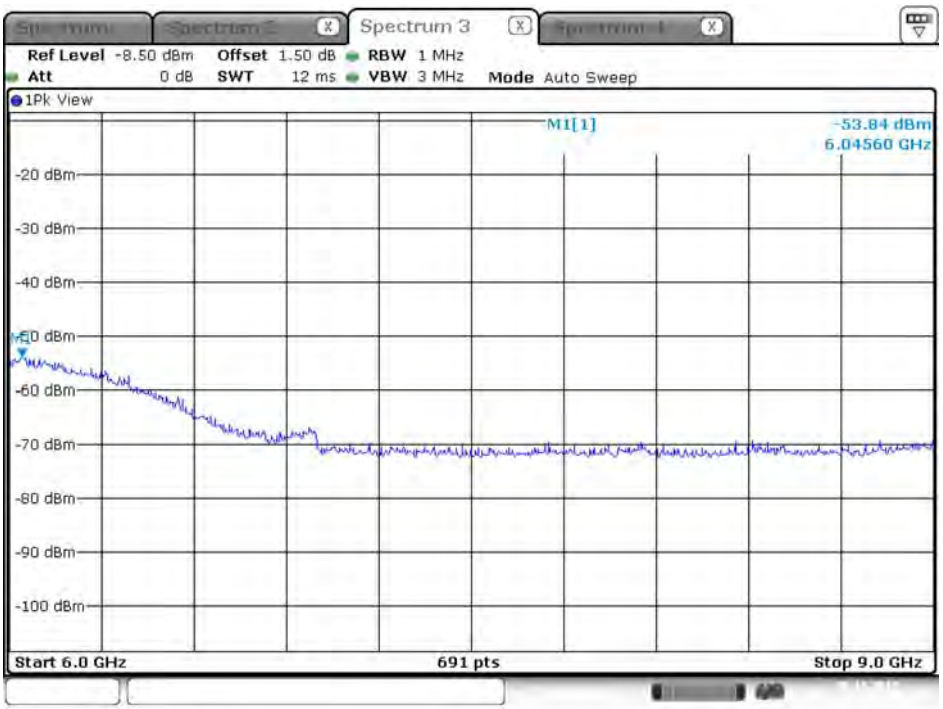
Date: 30.NOV.2017 21:12:52

Plot on Configuration QPSK, 20M / 5260 MHz / Peak / Port 1 / 6GHz~9GHz



Date: 30.NOV.2017 21:00:11

Plot on Configuration QPSK, 20M / 5260 MHz / Peak / Port 2 / 6GHz~9GHz



Date: 30.NOV.2017 21:13:29

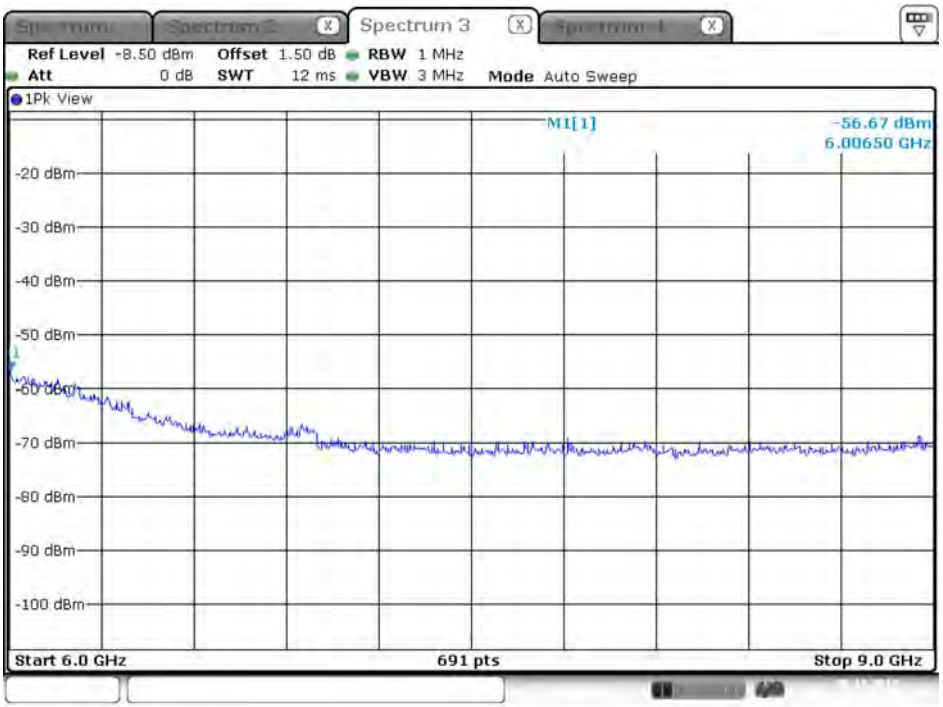
Plot on Configuration QPSK, 20M / 5300 MHz / Average / Port 1 / 6GHz~9GHz

Date: 30.NOV.2017 21:23:51

Plot on Configuration QPSK, 20M / 5300 MHz / Average / Port 2 / 6GHz~9GHz

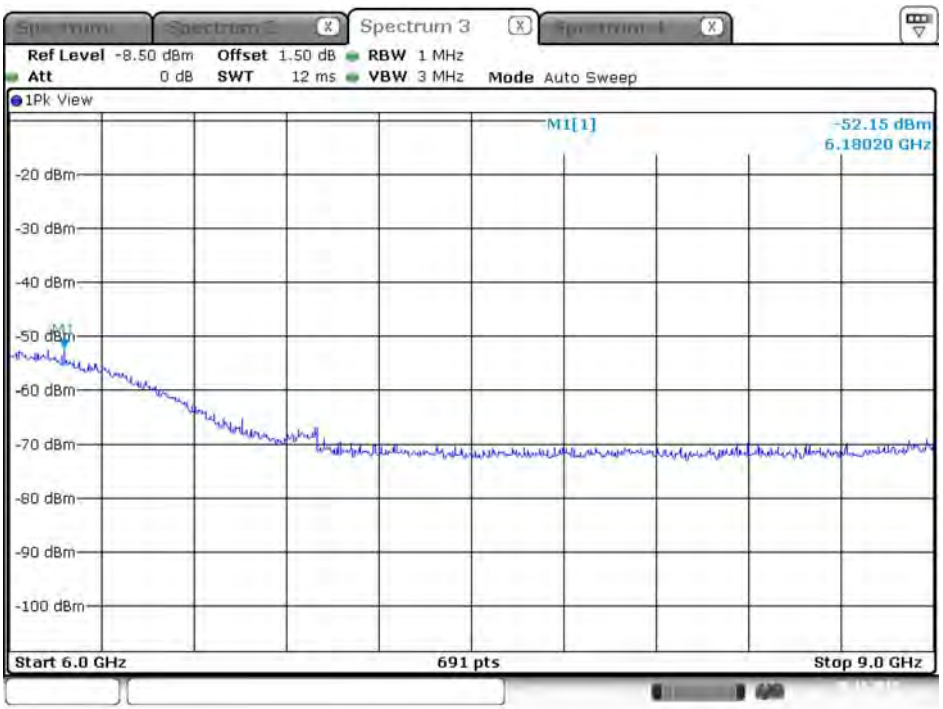
Date: 30.NOV.2017 22:07:49

Plot on Configuration QPSK, 20M / 5300 MHz / Peak / Port 1 / 6GHz~9GHz



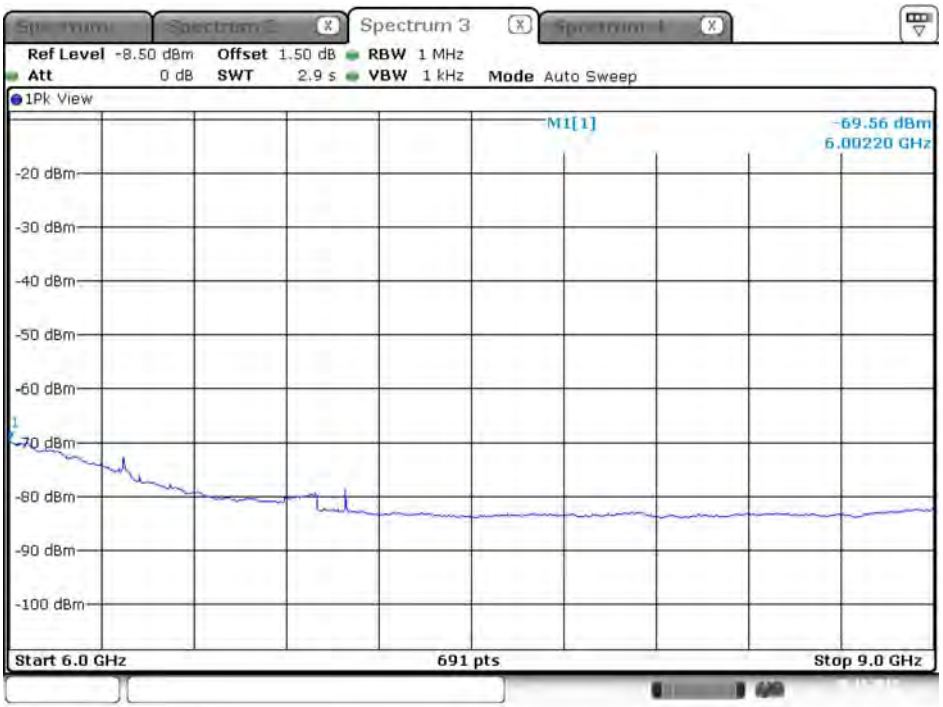
Date: 30.NOV.2017 21:24:26

Plot on Configuration QPSK, 20M / 5300 MHz / Peak / Port 2 / 6GHz~9GHz



Date: 30.NOV.2017 22:08:30

Plot on Configuration QPSK, 20M / 5320 MHz / Average / Port 1 / 6GHz~9GHz

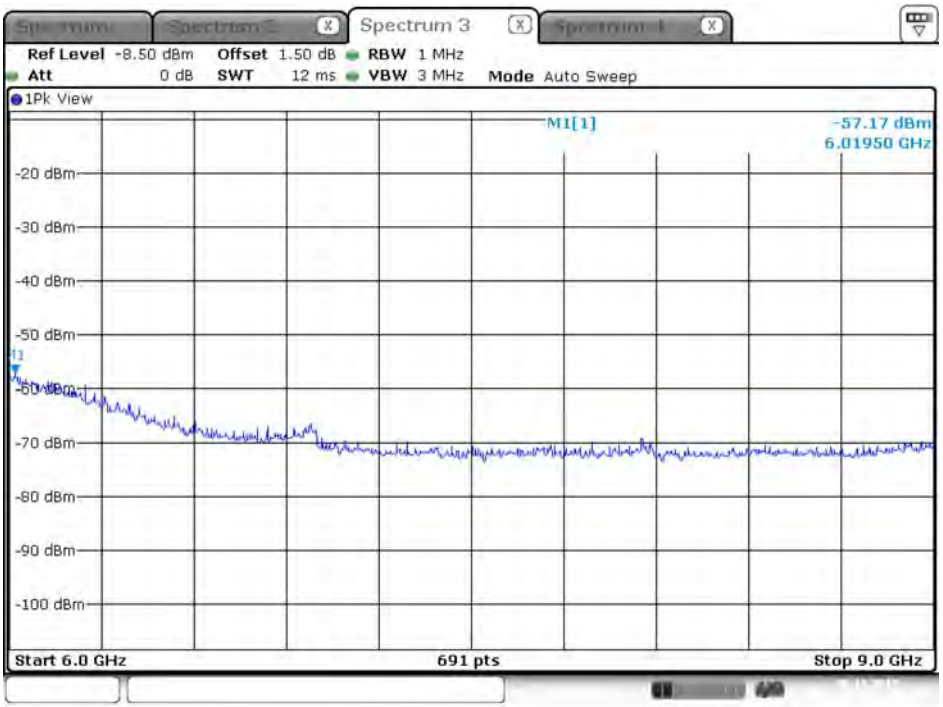


Date: 30.NOV.2017 22:19:12

Plot on Configuration QPSK, 20M / 5320 MHz / Average / Port 2 / 6GHz~9GHz

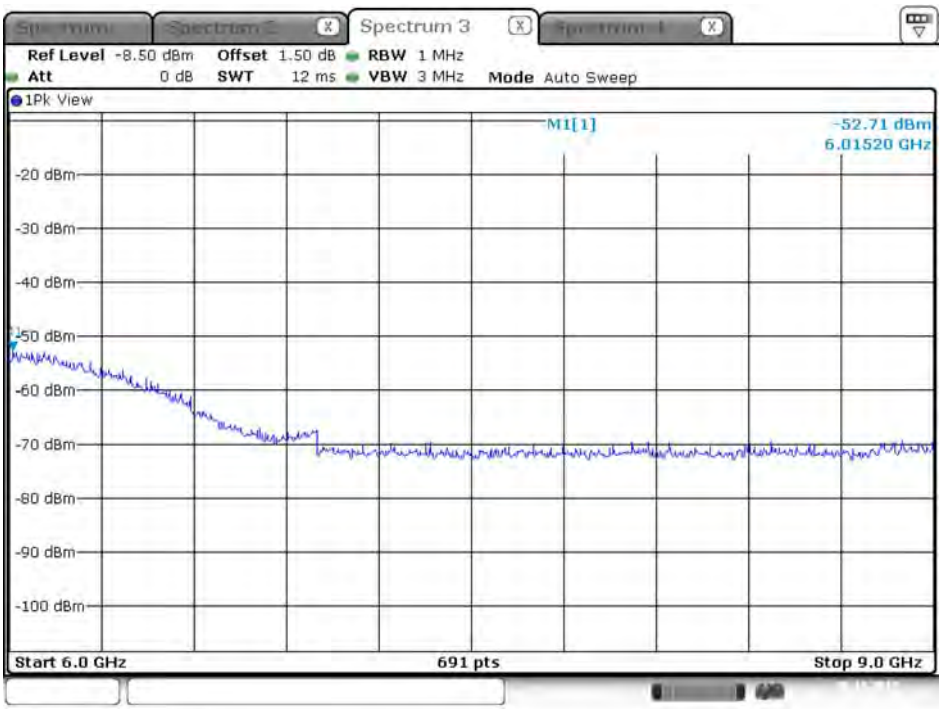
Date: 30.NOV.2017 22:31:01

Plot on Configuration QPSK, 20M / 5320 MHz / Peak / Port 1 / 6GHz~9GHz



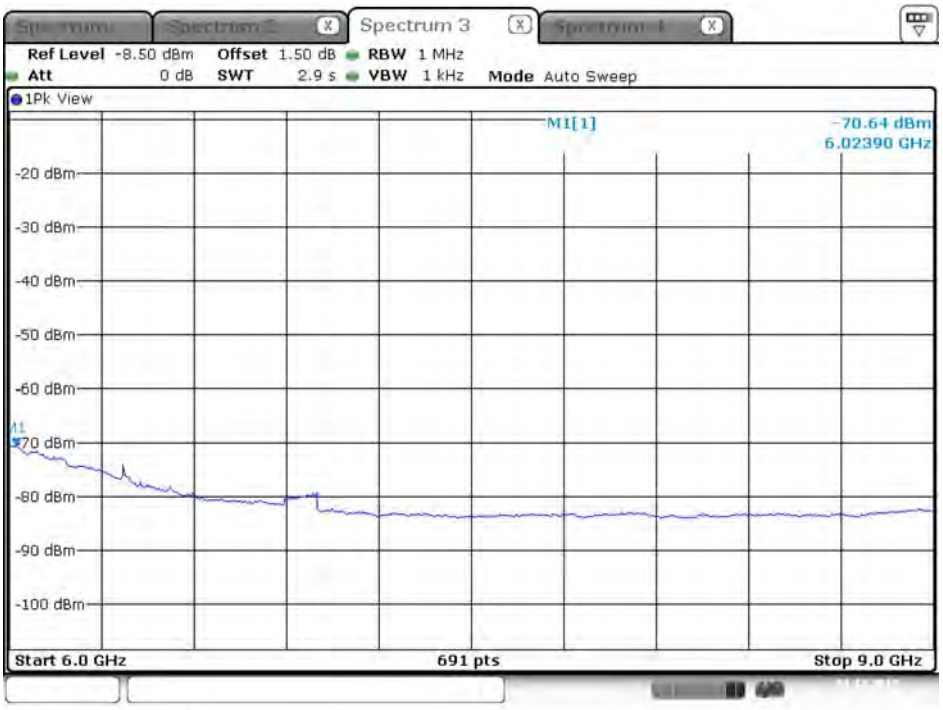
Date: 30.NOV.2017 22:19:34

Plot on Configuration QPSK, 20M / 5320 MHz / Peak / Port 2 / 6GHz~9GHz



Date: 30.NOV.2017 22:31:27

Plot on Configuration QPSK, 20M / 5250 MHz / Average / Port 1 / 6GHz~9GHz

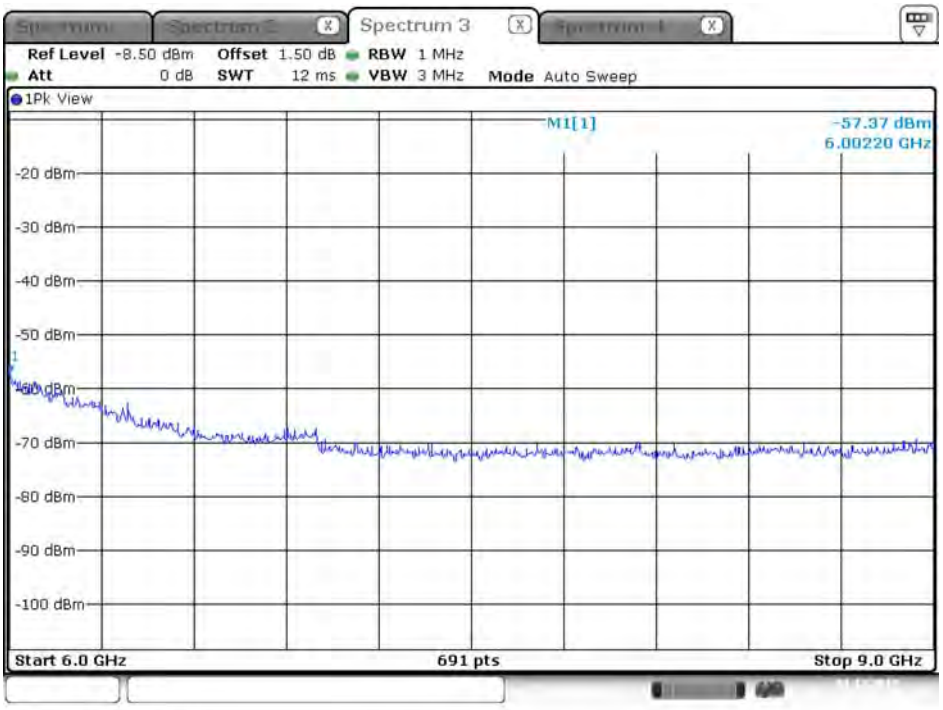


Date: 1.DEC.2017 00:16:13

Plot on Configuration QPSK, 20M / 5250 MHz / Average / Port 2 / 6GHz~9GHz

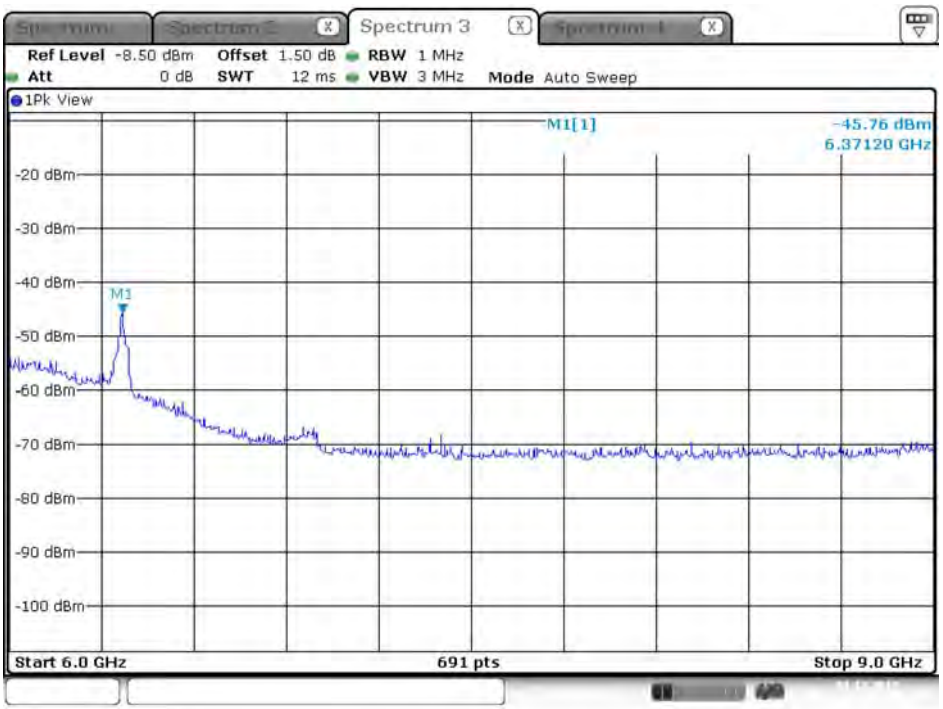
Date: 1.DEC.2017 00:31:14

Plot on Configuration QPSK, 20M / 5250 MHz / Peak / Port 1 / 6GHz~9GHz



Date: 1.DEC.2017 00:16:34

Plot on Configuration QPSK, 20M / 5250 MHz / Peak / Port 2 / 6GHz~9GHz



Date: 1.DEC.2017 00:31:47

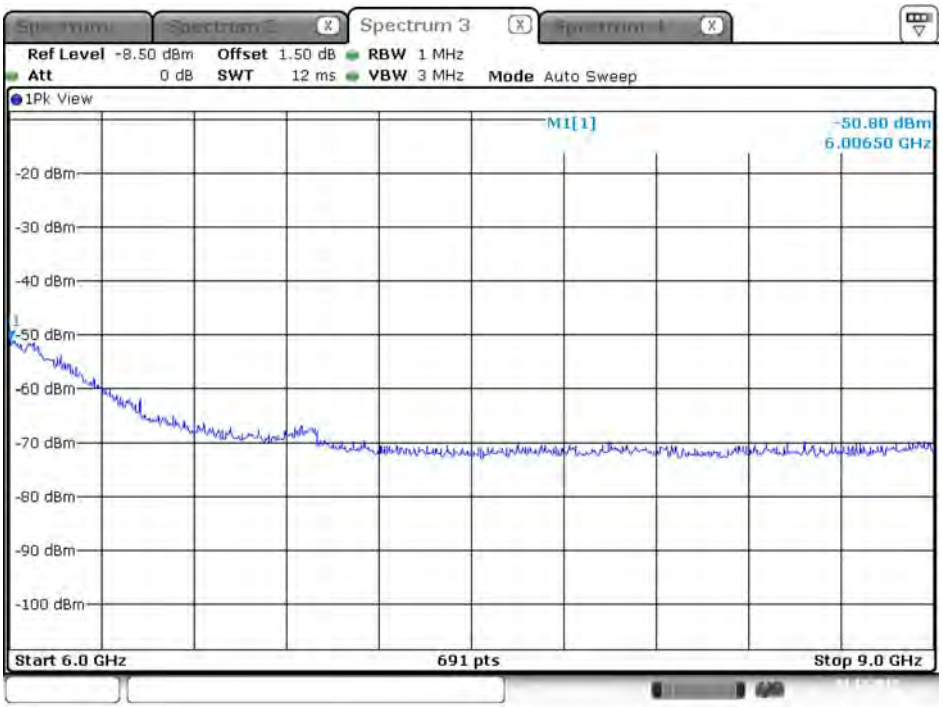
Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 1 / 6GHz~9GHz

Date: 1.DEC.2017 01:54:40

Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 2 / 6GHz~9GHz

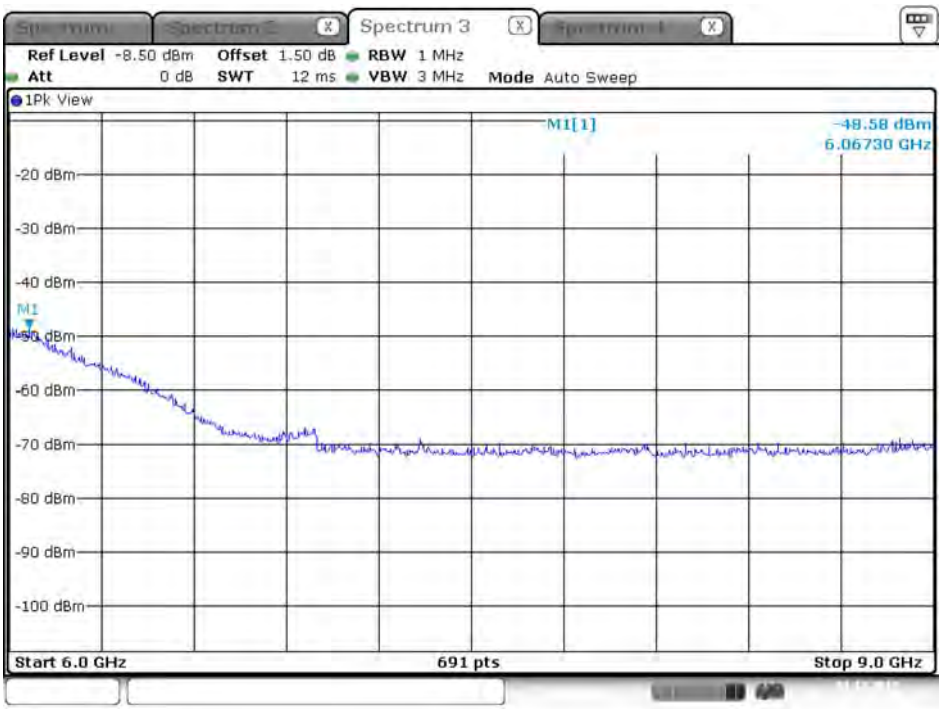
Date: 1.DEC.2017 02:07:26

Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 1 / 6GHz~9GHz



Date: 1.DEC.2017 01:55:04

Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 2 / 6GHz~9GHz

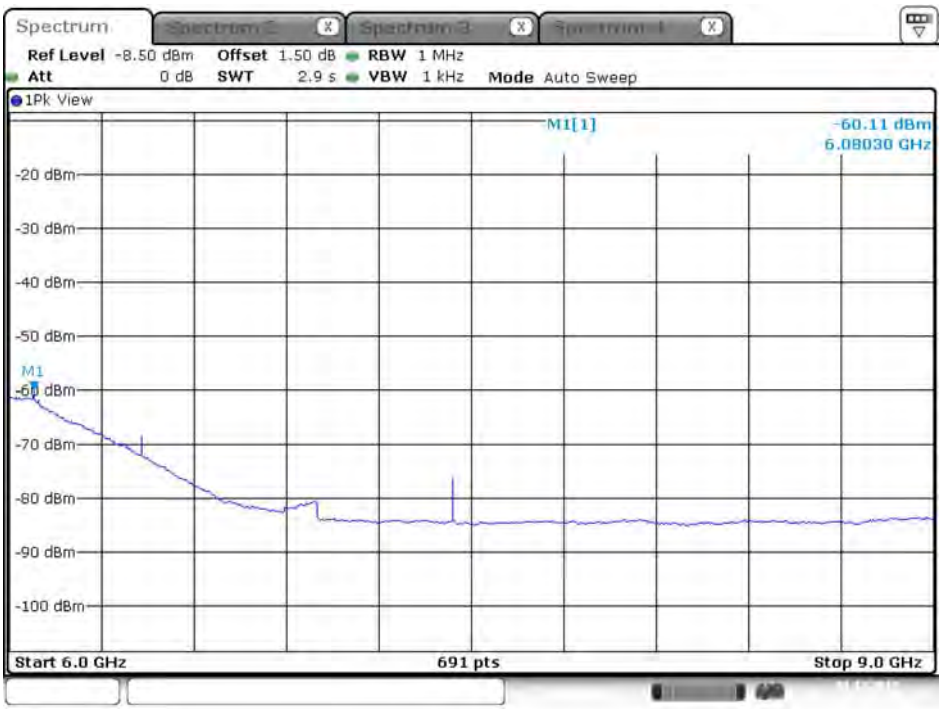


Date: 1.DEC.2017 02:08:00

Plot on Configuration QPSK, 20M / 5580 MHz / Average / Port 1 / 6GHz~9GHz

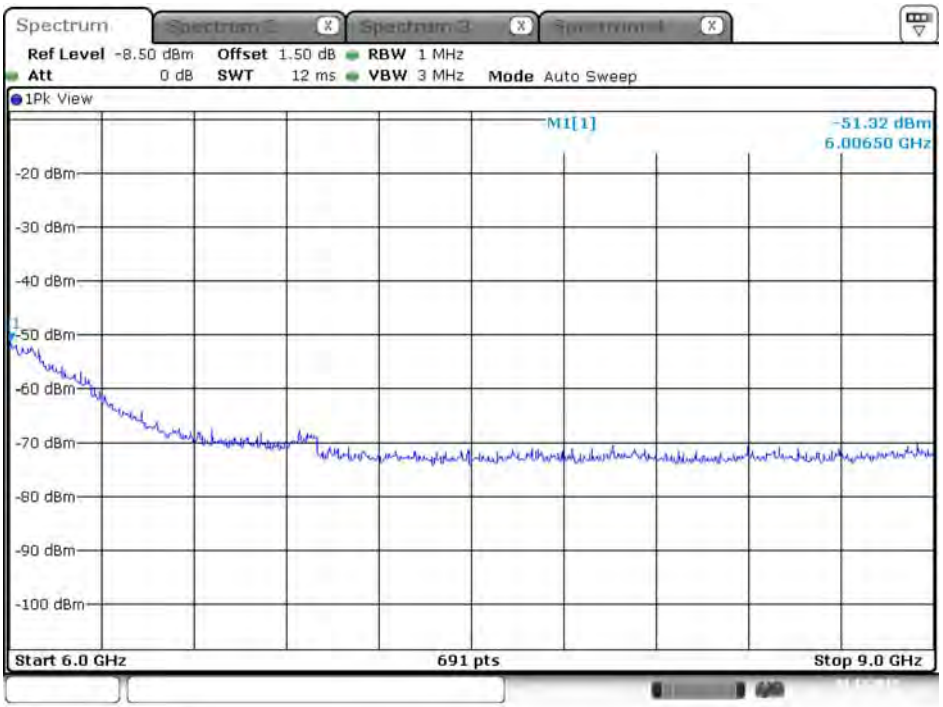
Date: 1.DEC.2017 14:02:41

Plot on Configuration QPSK, 20M / 5580 MHz / Average / Port 2 / 6GHz~9GHz



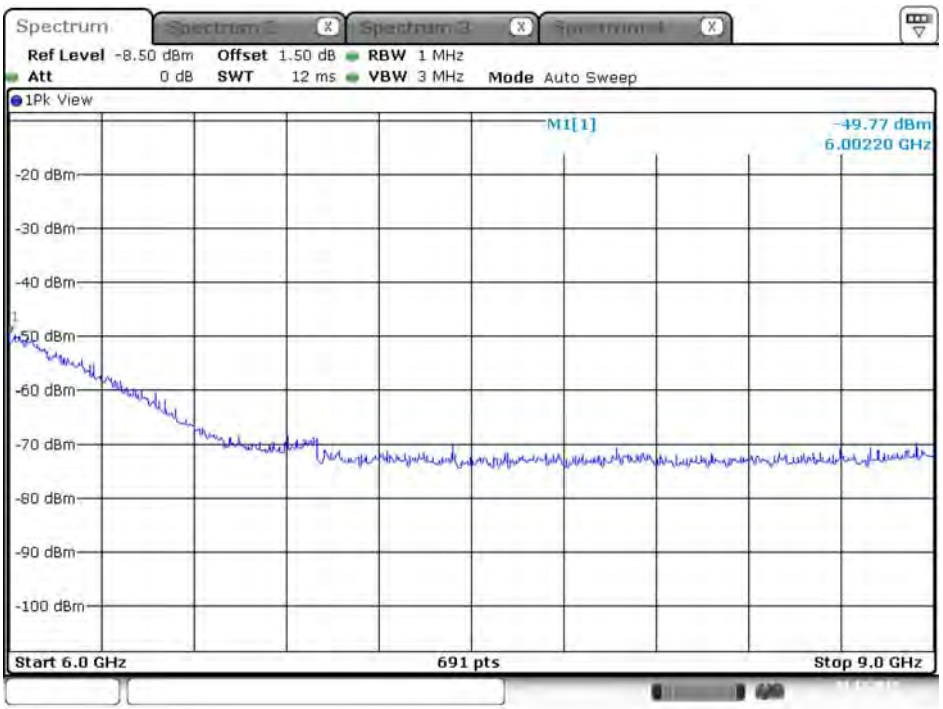
Date: 1.DEC.2017 14:20:06

Plot on Configuration QPSK, 20M / 5580 MHz / Peak / Port 1 / 6GHz~9GHz



Date: 1.DEC.2017 14:06:12

Plot on Configuration QPSK, 20M / 5580 MHz / Peak / Port 2 / 6GHz~9GHz

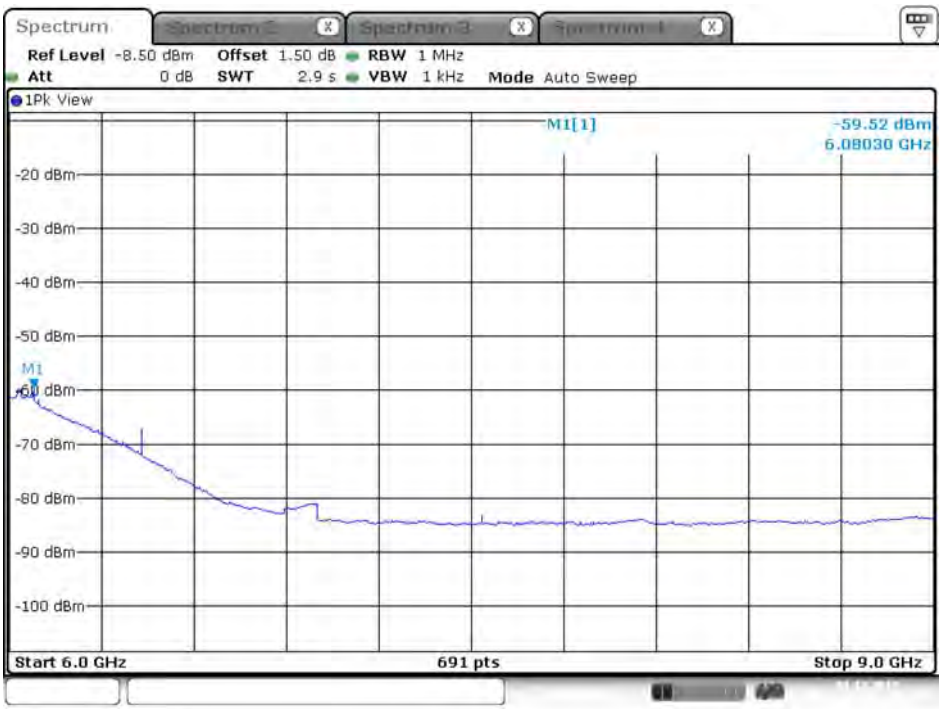


Date: 1.DEC.2017 14:20:37

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 1 / 6GHz~9GHz

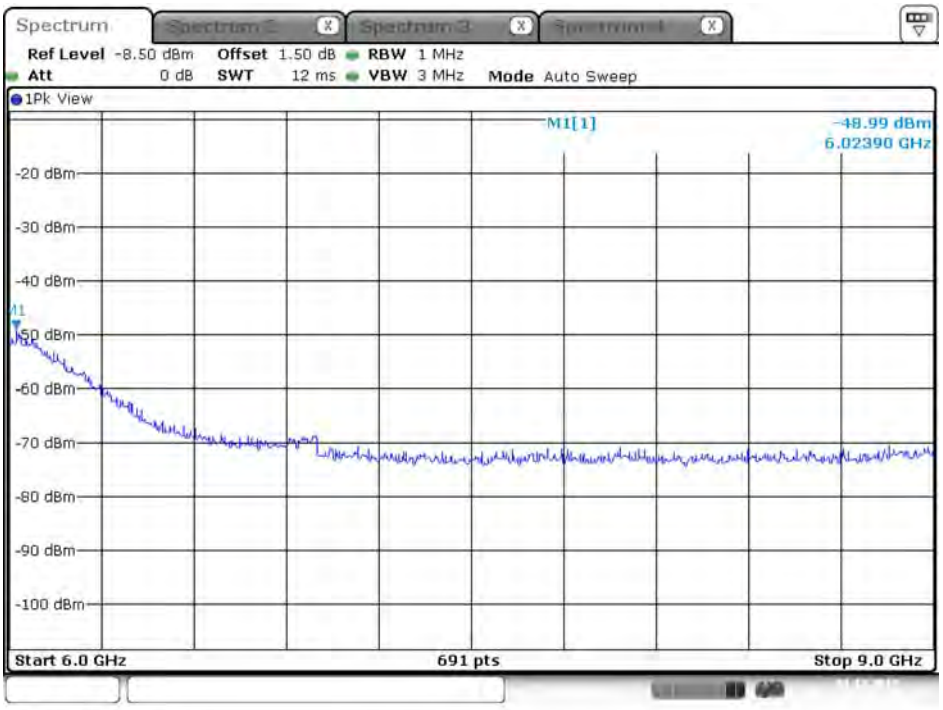
Date: 1.DEC.2017 14:07:19

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 2 / 6GHz~9GHz



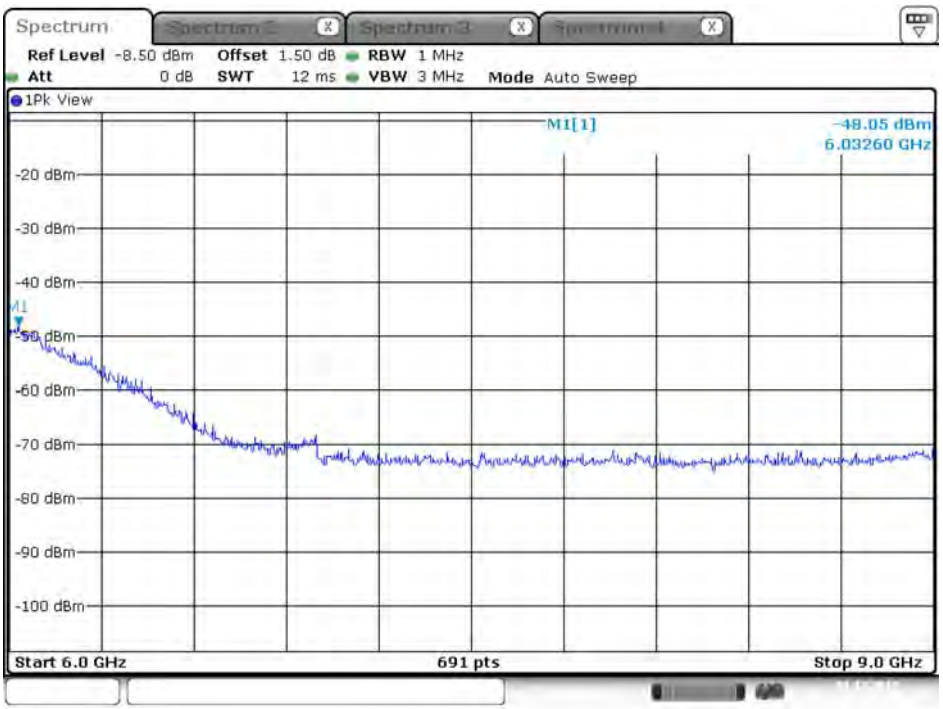
Date: 1.DEC.2017 14:21:42

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 1 / 6GHz~9GHz



Date: 1.DEC.2017 14:08:18

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 2 / 6GHz~9GHz



Date: 1.DEC.2017 14:22:08

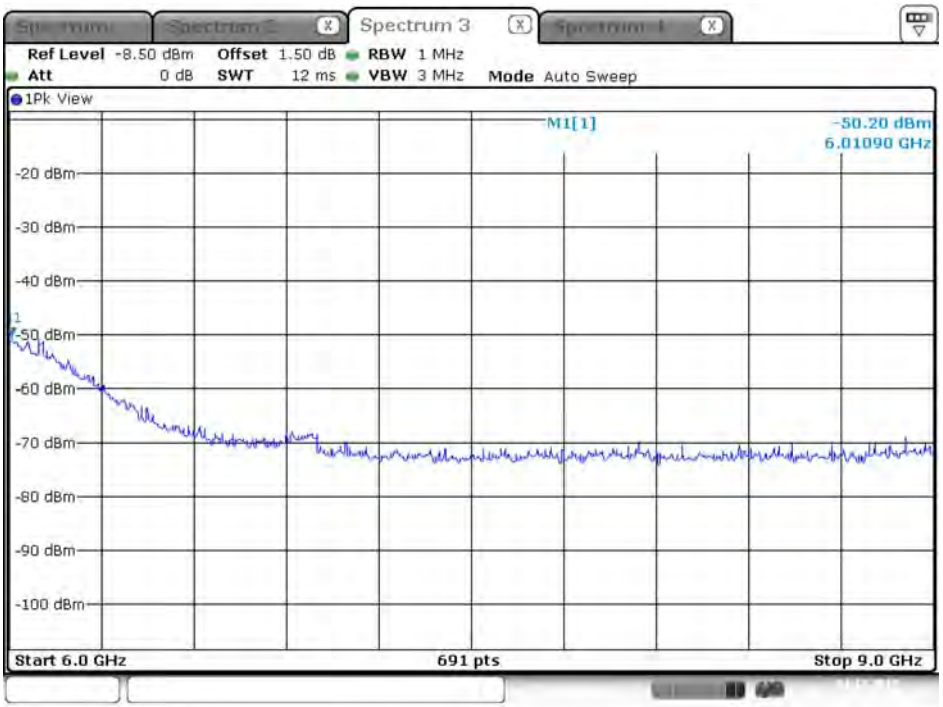
Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 1 / 6GHz~9GHz

Date: 4.DEC.2017 15:09:50

Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 2 / 6GHz~9GHz

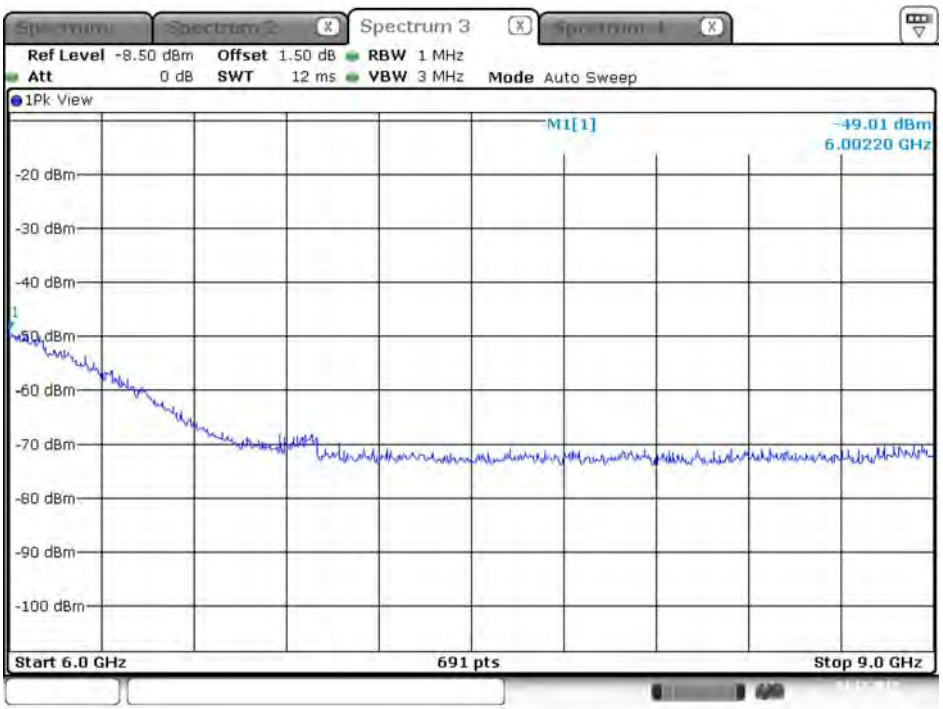
Date: 4.DEC.2017 15:20:37

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 1 / 6GHz~9GHz



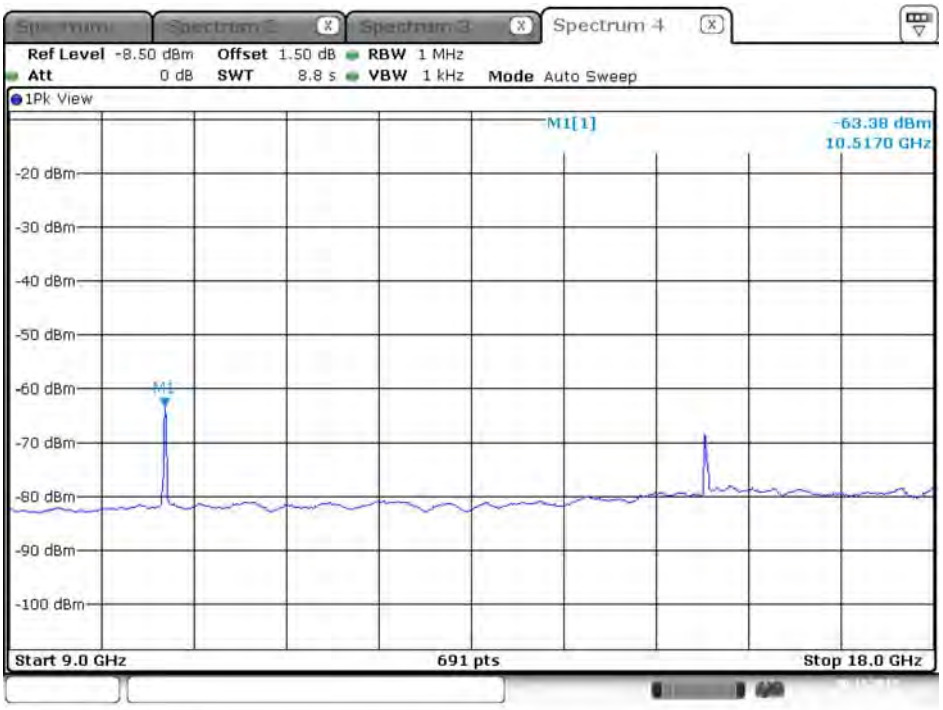
Date: 4.DEC.2017 15:10:15

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 2 / 6GHz~9GHz



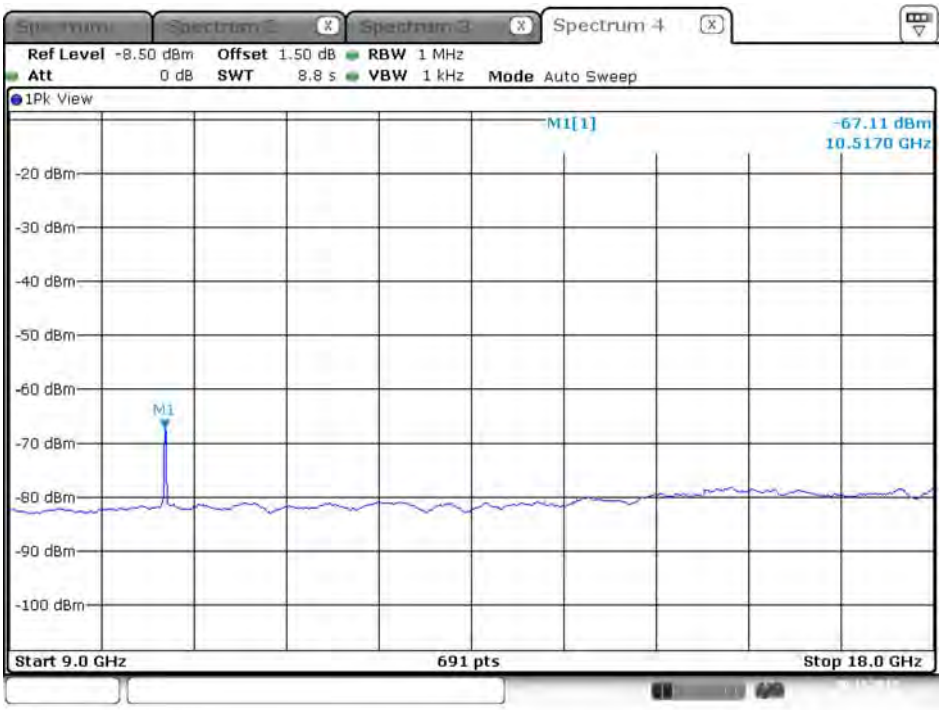
Date: 4.DEC.2017 15:21:07

Plot on Configuration QPSK, 20M / 5260 MHz / Average / Port 1 / 9GHz~18GHz



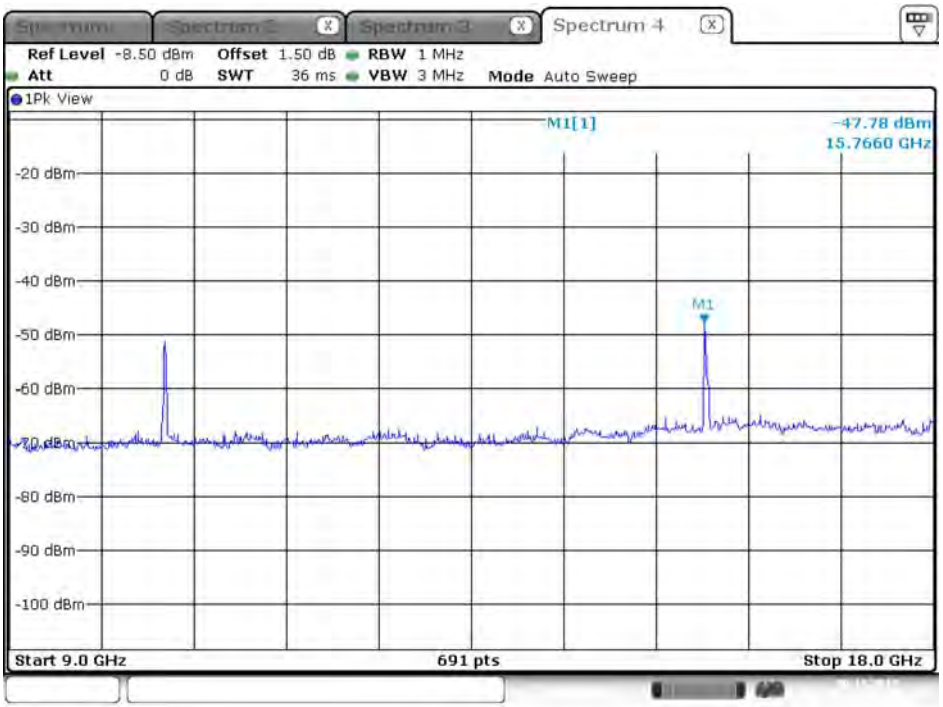
Date: 30.NOV.2017 21:01:41

Plot on Configuration QPSK, 20M / 5260 MHz / Average / Port 2 / 9GHz~18GHz



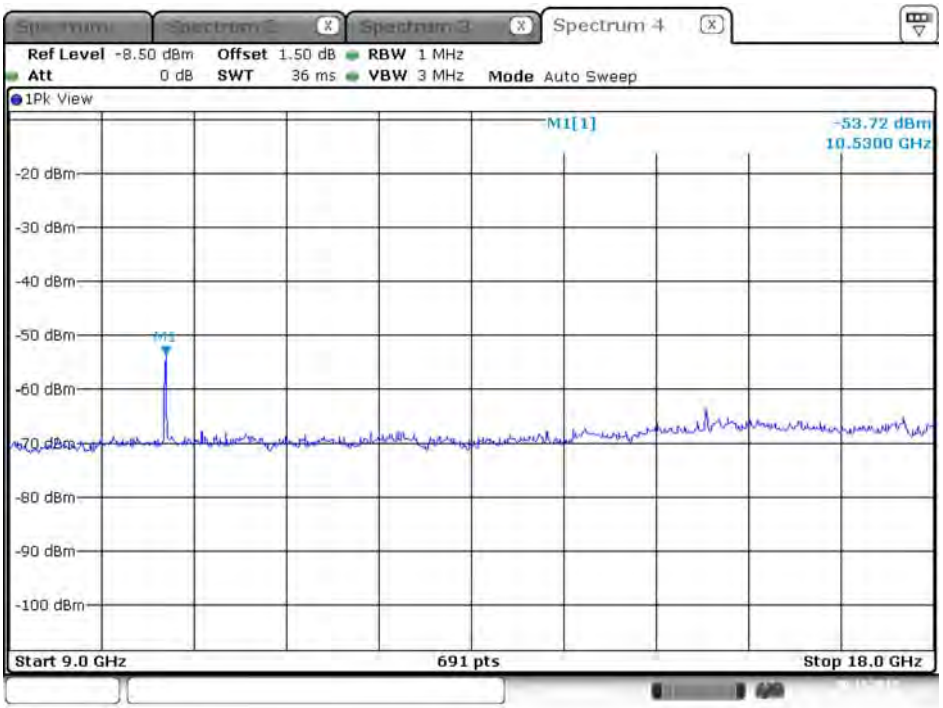
Date: 30.NOV.2017 21:11:16

Plot on Configuration QPSK, 20M / 5260 MHz / Peak / Port 1 / 9GHz~18GHz



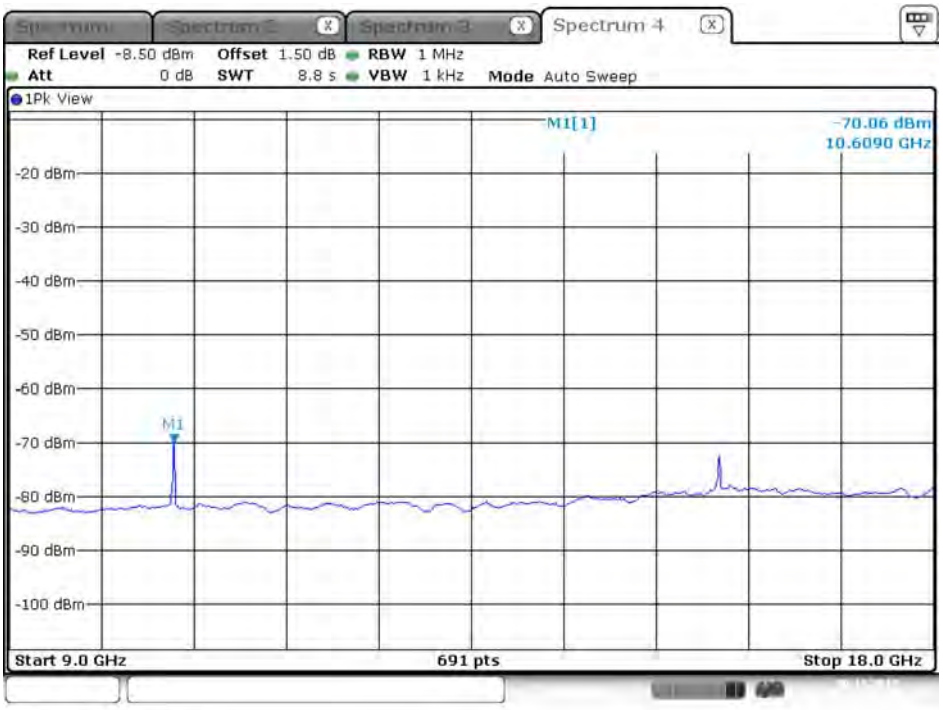
Date: 30.NOV.2017 21:02:54

Plot on Configuration QPSK, 20M / 5260 MHz / Peak / Port 2 / 9GHz~18GHz



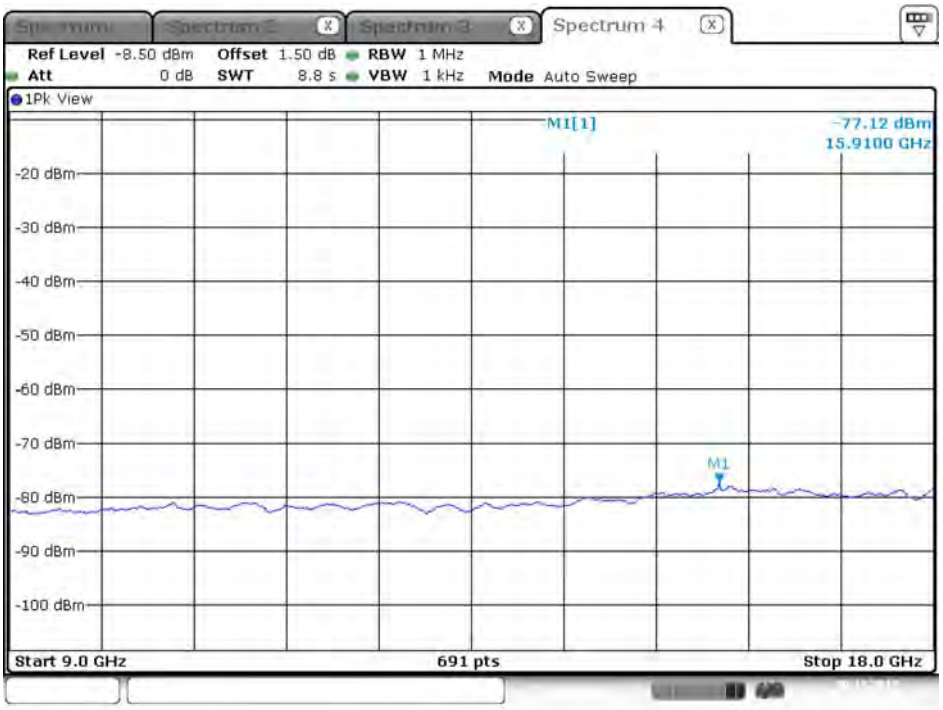
Date: 30.NOV.2017 21:11:50

Plot on Configuration QPSK, 20M / 5300 MHz / Average / Port 1 / 9GHz~18GHz



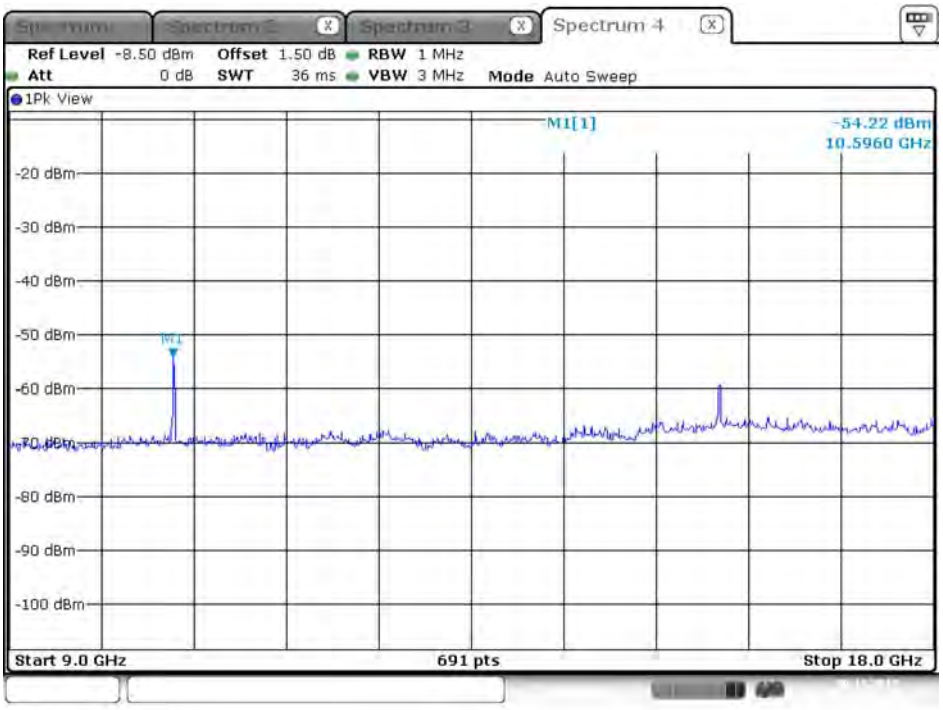
Date: 30.NOV.2017 21:26:03

Plot on Configuration QPSK, 20M / 5300 MHz / Average / Port 2 / 9GHz~18GHz



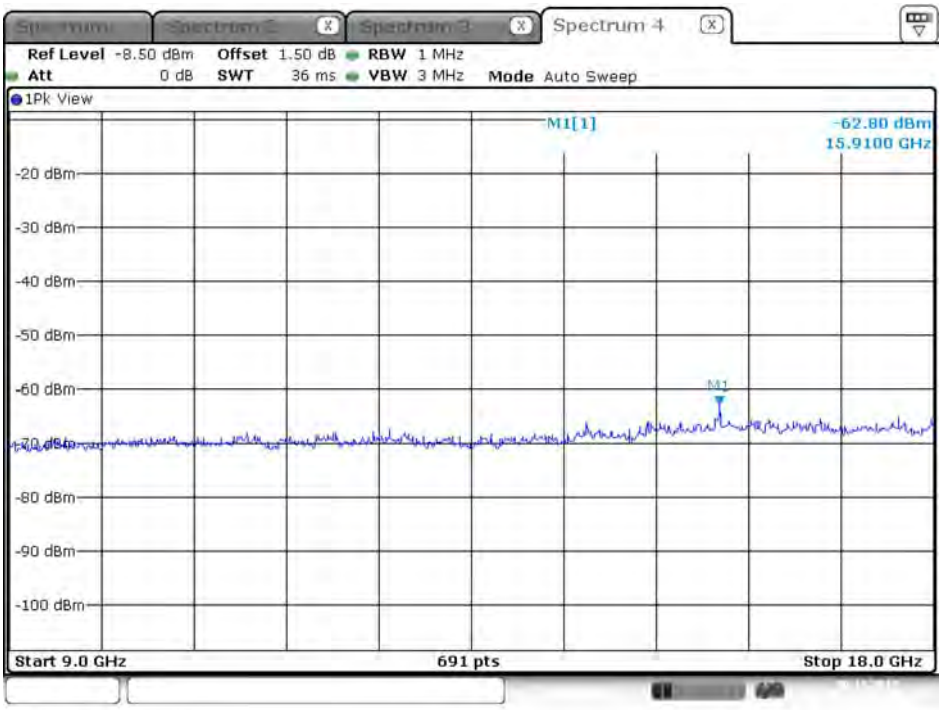
Date: 30.NOV.2017 22:06:26

Plot on Configuration QPSK, 20M / 5300 MHz / Peak / Port 1 / 9GHz~18GHz



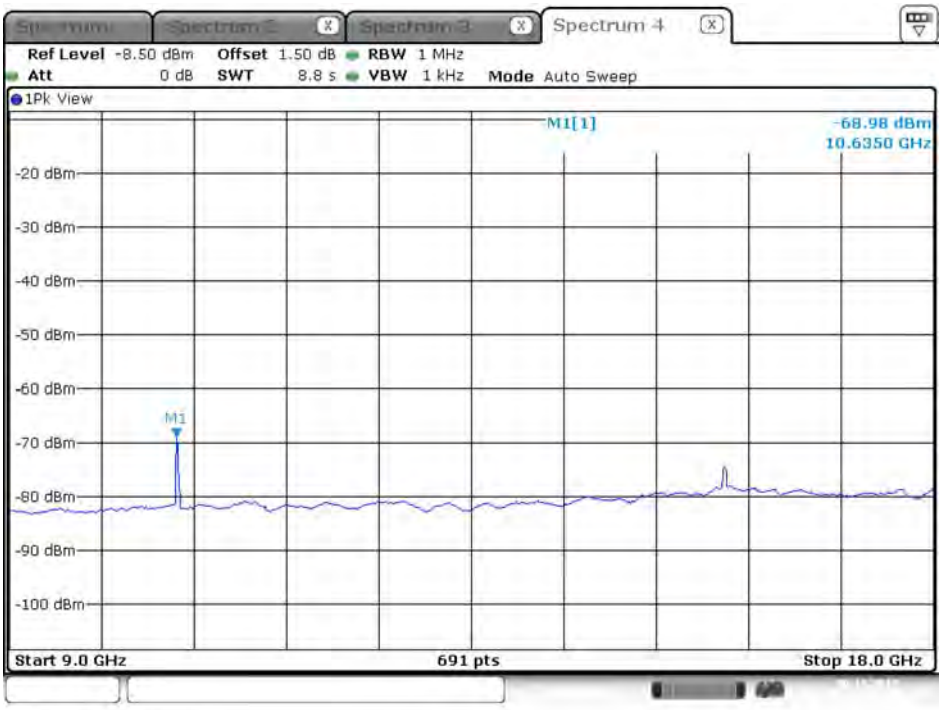
Date: 30.NOV.2017 21:26:41

Plot on Configuration QPSK, 20M / 5300 MHz / Peak / Port 2 / 9GHz~18GHz



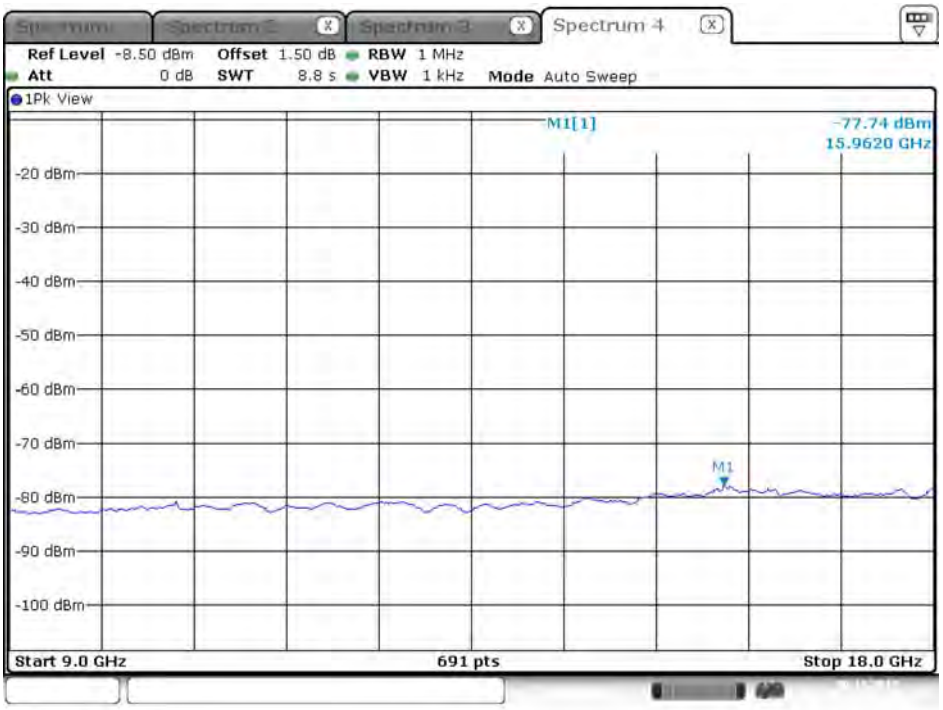
Date: 30.NOV.2017 22:07:04

Plot on Configuration QPSK, 20M / 5320 MHz / Average / Port 1 / 9GHz~18GHz



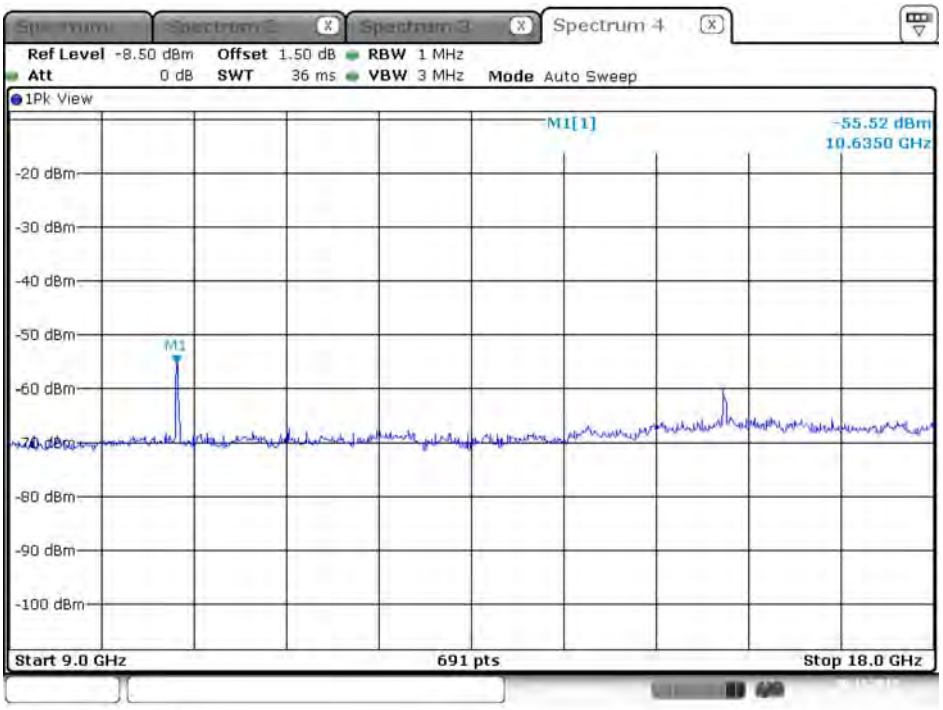
Date: 30.NOV.2017 22:21:30

Plot on Configuration QPSK, 20M / 5320 MHz / Average / Port 2 / 9GHz~18GHz



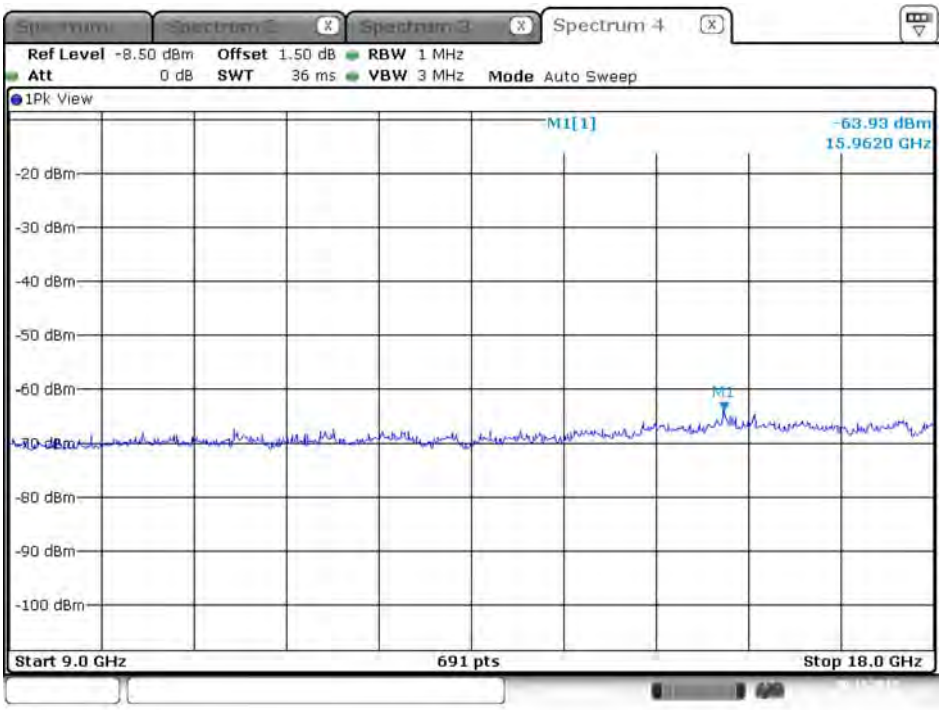
Date: 30.NOV.2017 22:29:11

Plot on Configuration QPSK, 20M / 5320 MHz / Peak / Port 1 / 9GHz~18GHz



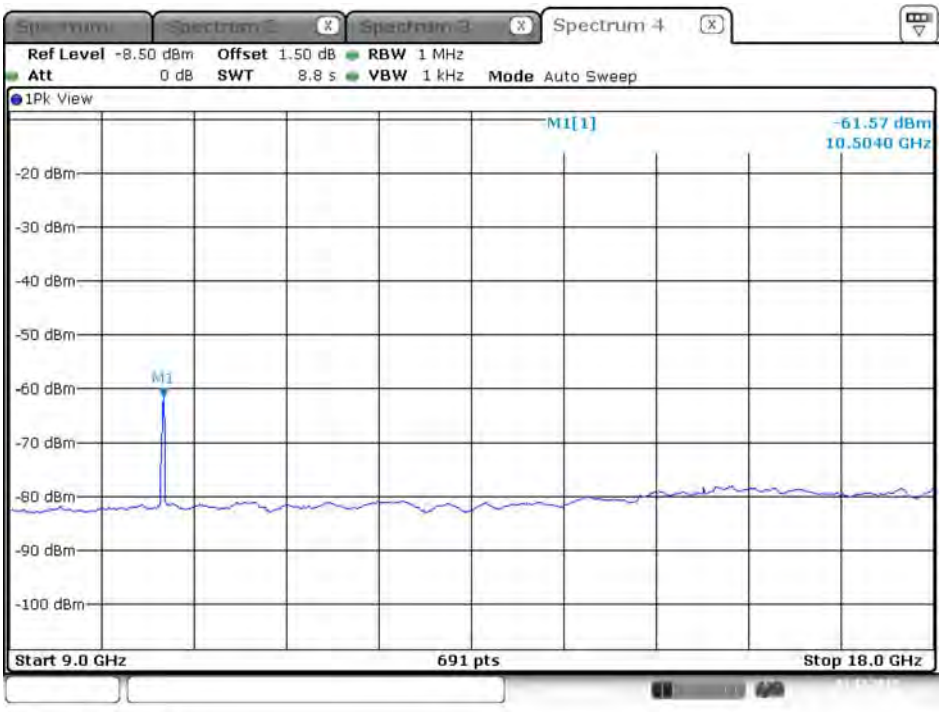
Date: 30.NOV.2017 22:22:11

Plot on Configuration QPSK, 20M / 5320 MHz / Peak / Port 2 / 9GHz~18GHz



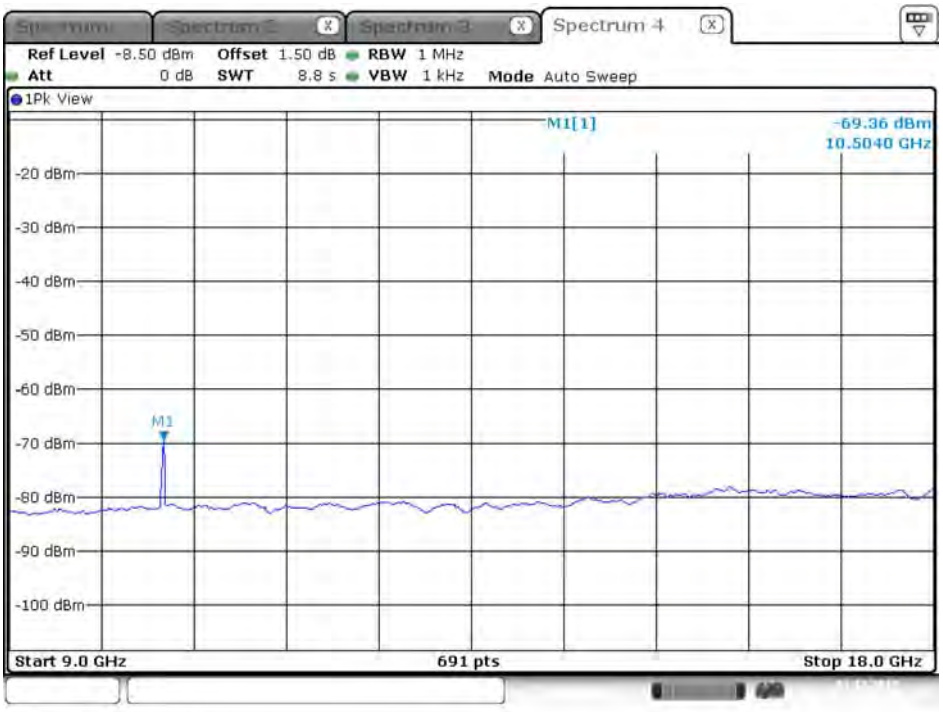
Date: 30.NOV.2017 22:29:58

Plot on Configuration QPSK, 20M / 5250 MHz / Average / Port 1 / 9GHz~18GHz



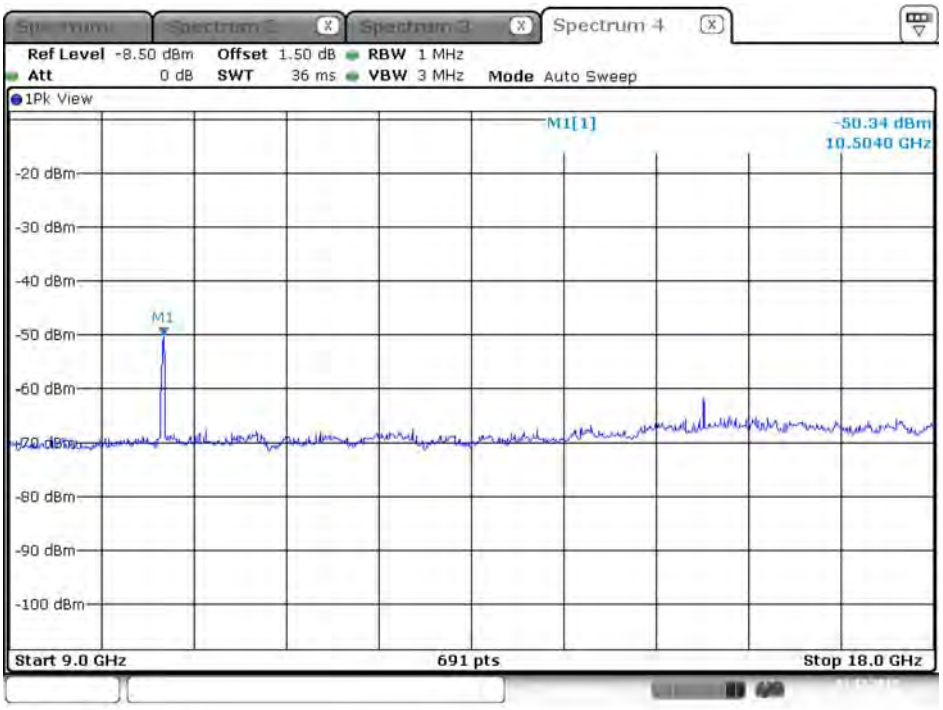
Date: 1.DEC.2017 00:17:48

Plot on Configuration QPSK, 20M / 5250 MHz / Average / Port 2 / 9GHz~18GHz



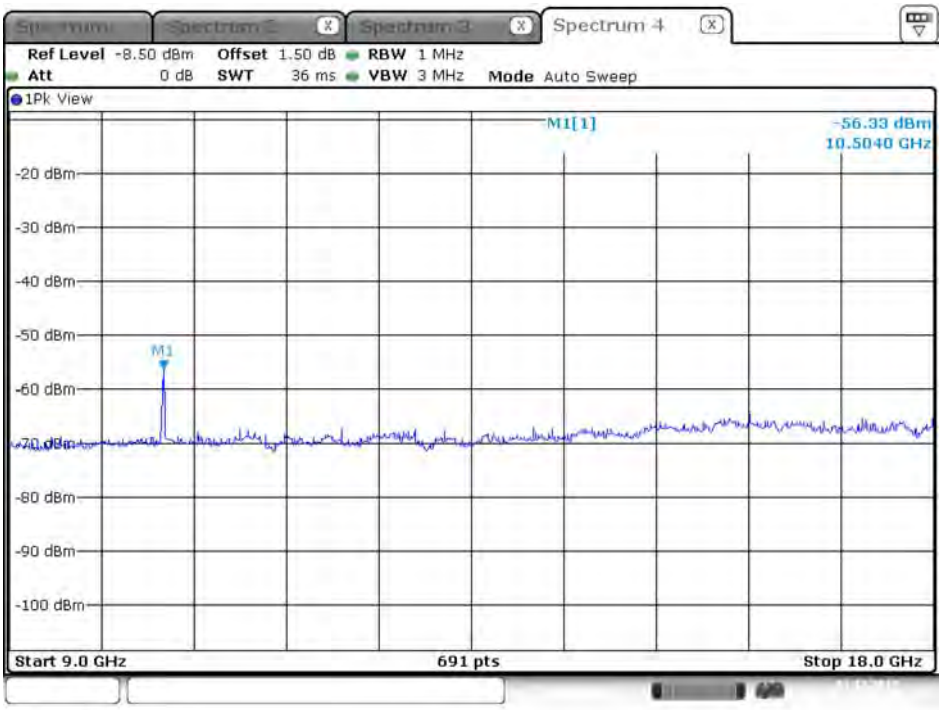
Date: 1.DEC.2017 00:27:53

Plot on Configuration QPSK, 20M / 5250 MHz / Peak / Port 1 / 9GHz~18GHz



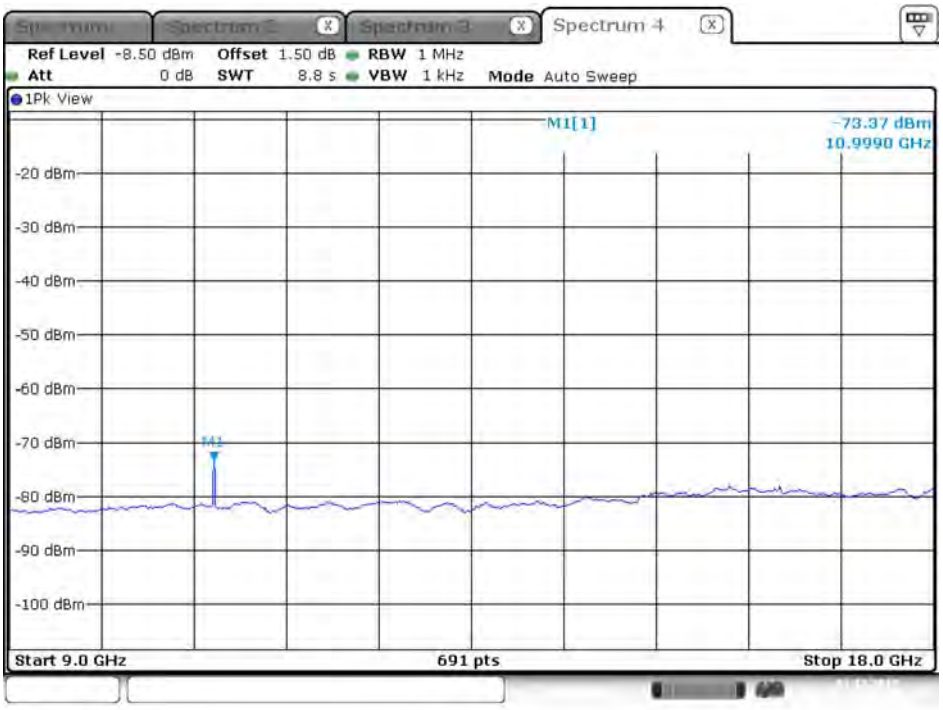
Date: 1.DEC.2017 00:18:23

Plot on Configuration QPSK, 20M / 5250 MHz / Peak / Port 2 / 9GHz~18GHz



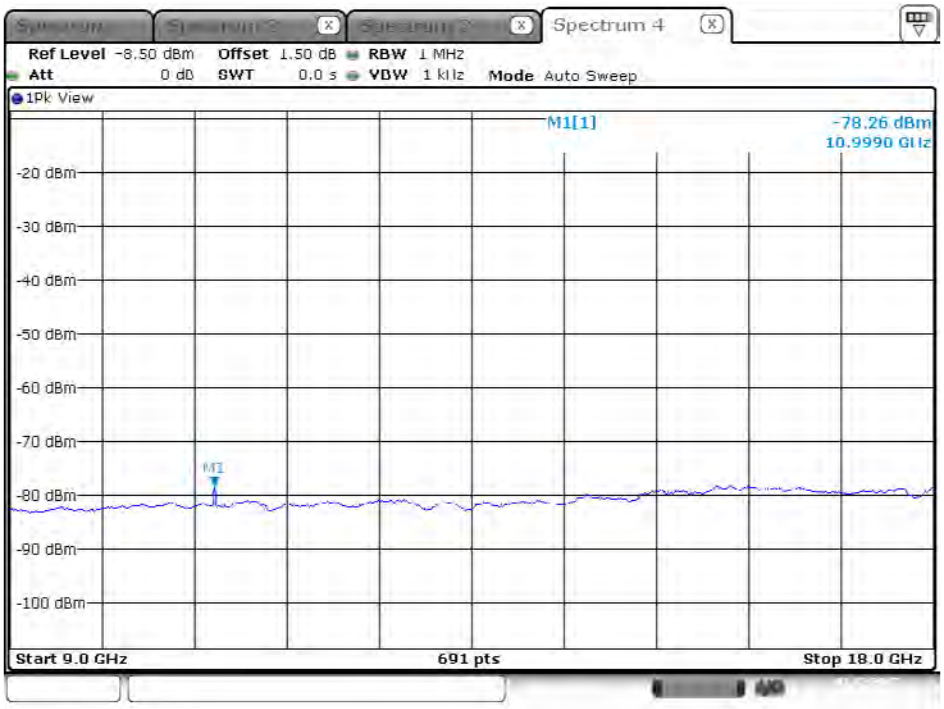
Date: 1.DEC.2017 00:29:17

Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 1 / 9GHz~18GHz



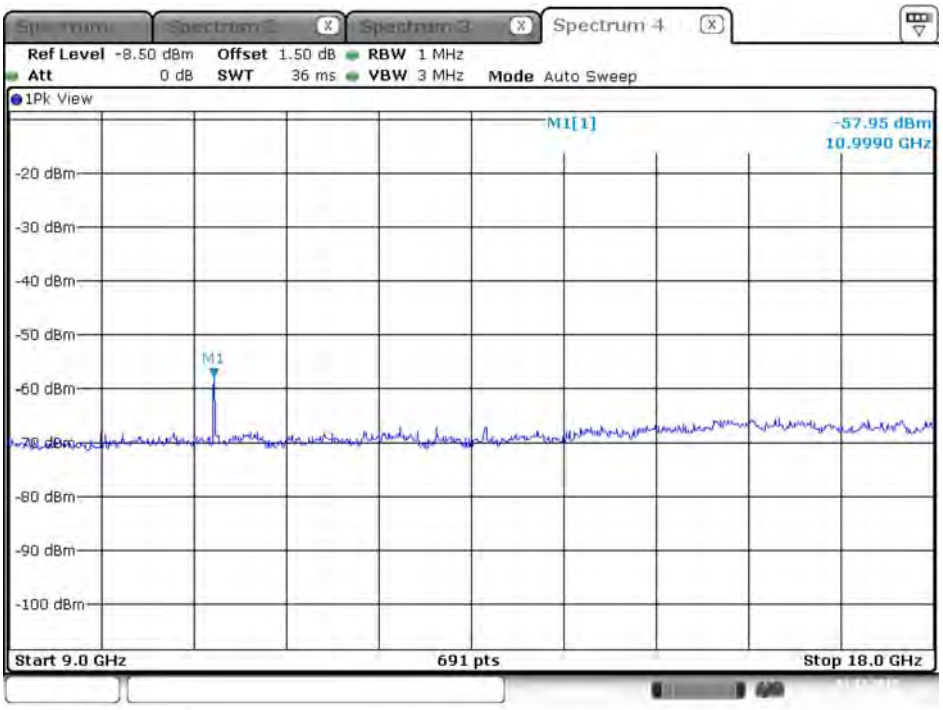
Date: 1.DEC.2017 01:57:35

Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 2 / 9GHz~18GHz



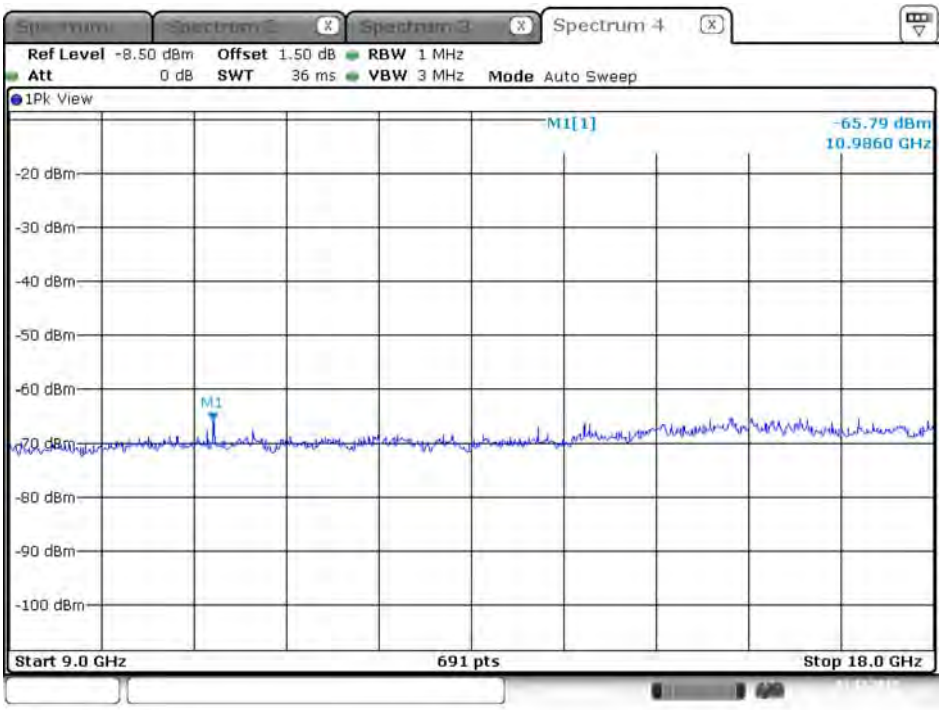
Date: 1.DEC.2017 02:05:56

Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 1 / 9GHz~18GHz



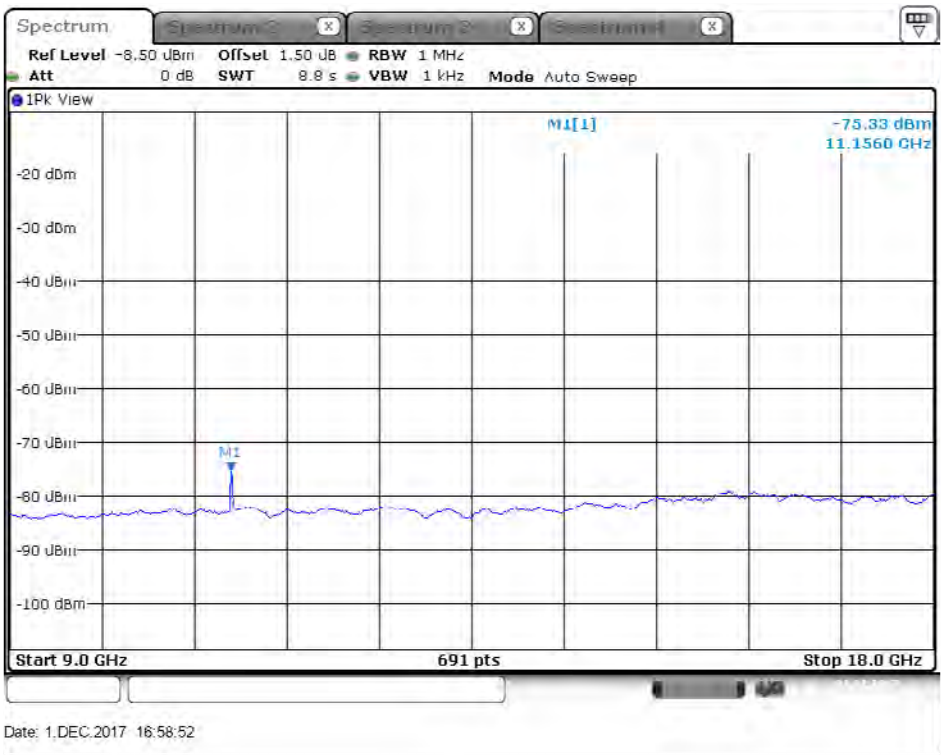
Date: 1.DEC.2017 01:58:13

Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 2 / 9GHz~18GHz



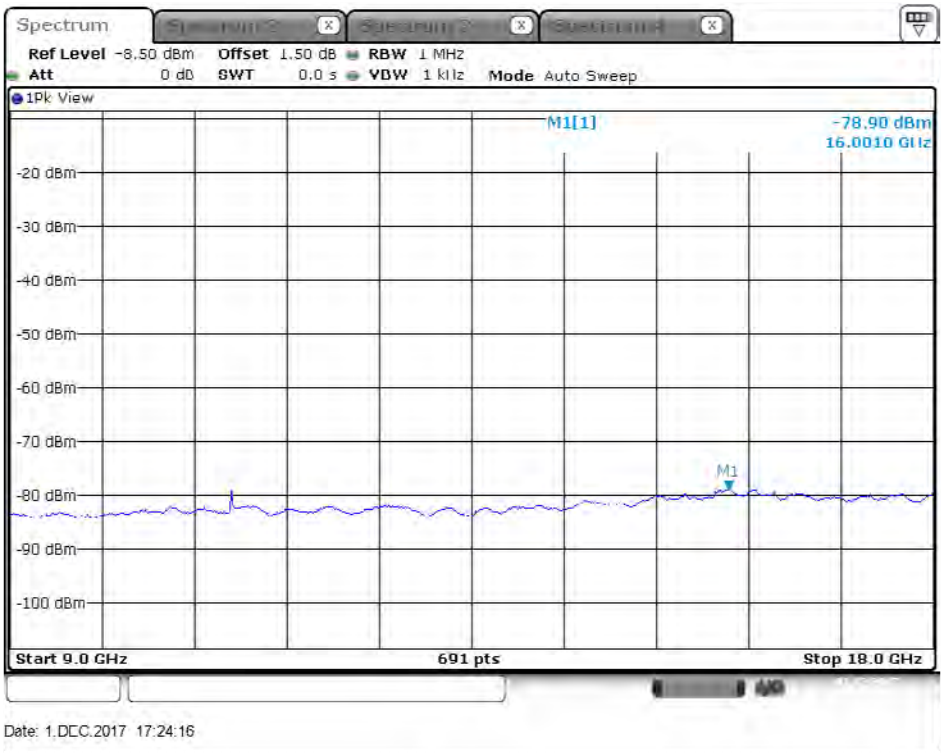
Date: 1.DEC.2017 02:06:37

Plot on Configuration QPSK, 20M / 5580MHz / Average / Port 1 / 9GHz~18GHz



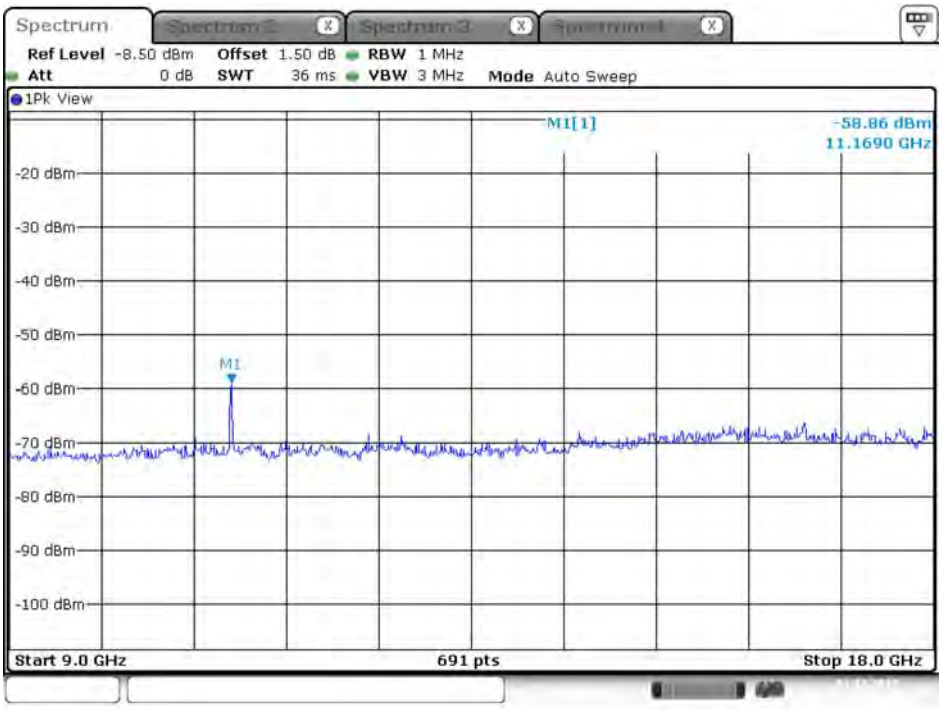
Date: 1.DEC.2017 16:58:52

Plot on Configuration QPSK, 20M / 5580 MHz / Average / Port 2 / 9GHz~18GHz



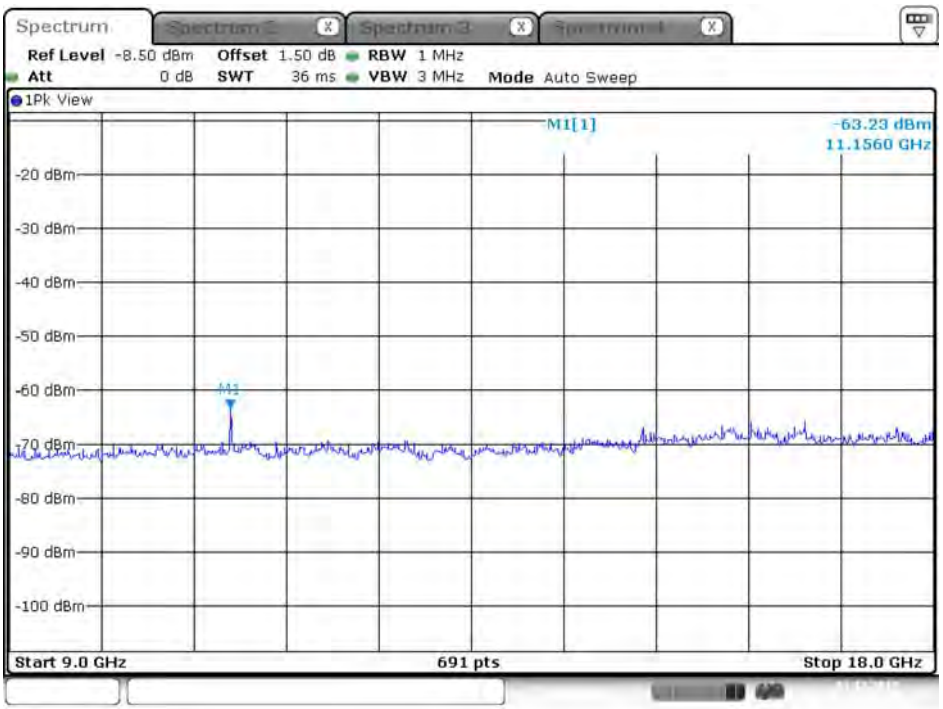
Date: 1.DEC.2017 17:24:16

Plot on Configuration QPSK, 20M / 5580 MHz / Peak / Port 1 / 9GHz~18GHz



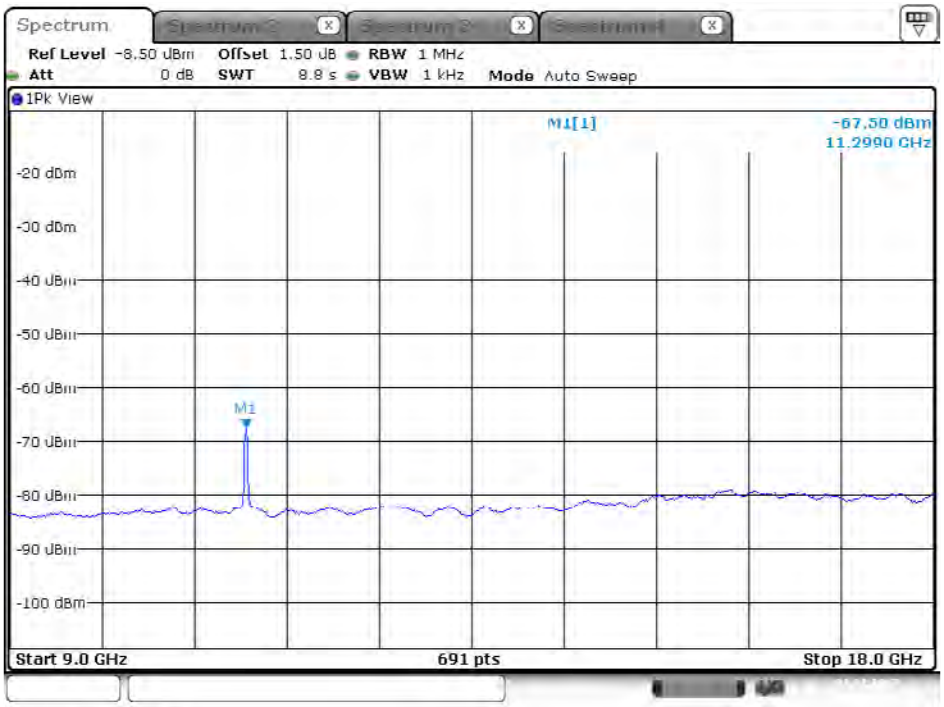
Date: 1.DEC.2017 17:00:24

Plot on Configuration QPSK, 20M / 5580 MHz / Peak / Port 2 / 9GHz~18GHz



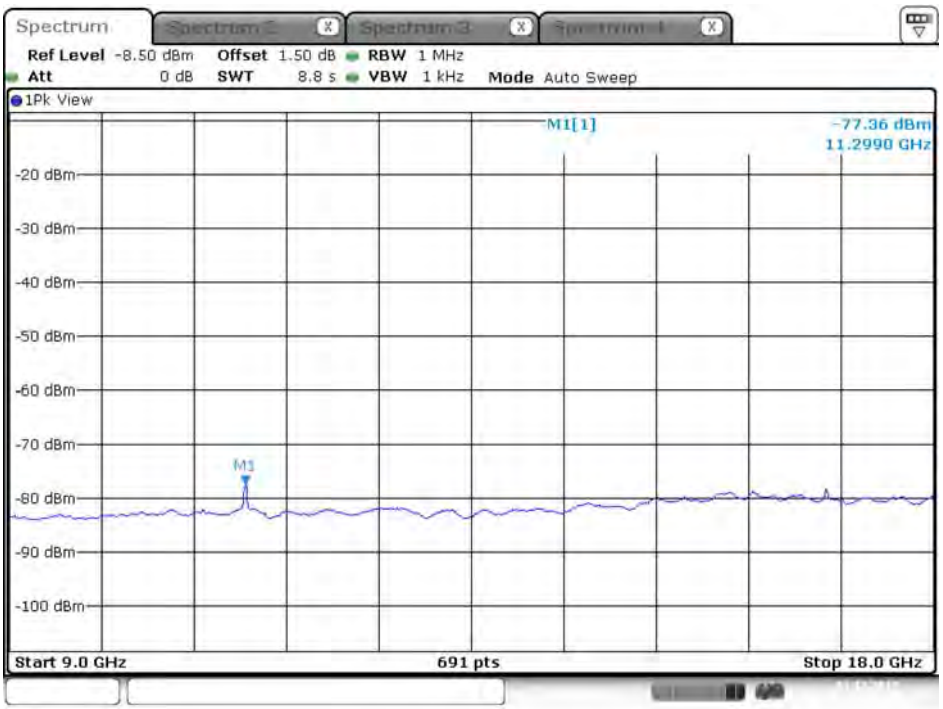
Date: 1.DEC.2017 17:24:51

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 1 / 9GHz~18GHz



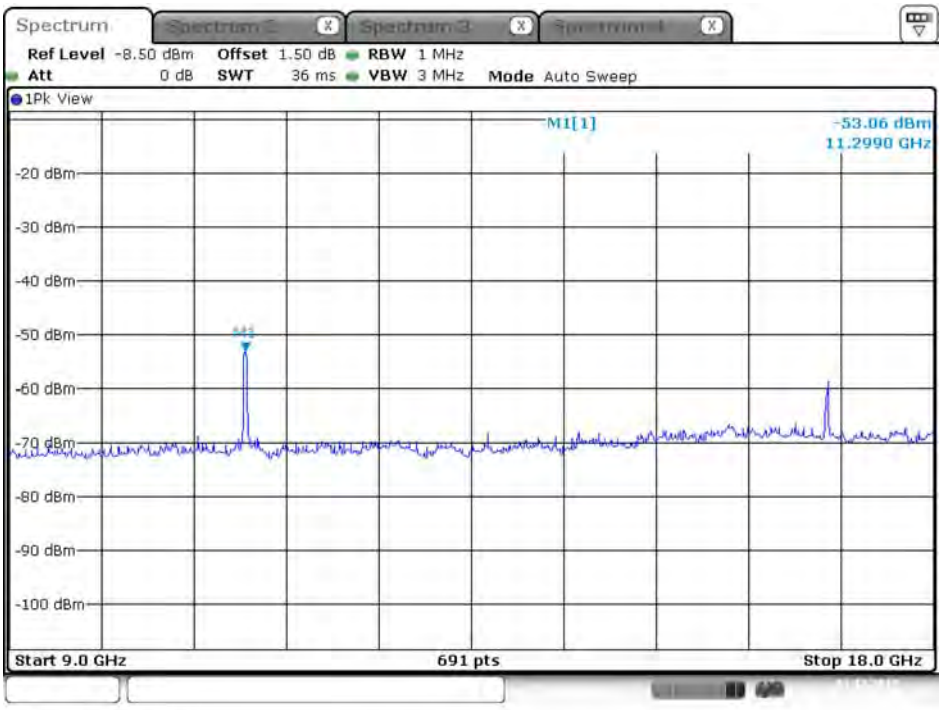
Date: 1.DEC.2017 17:02:15

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 2 / 9GHz~18GHz



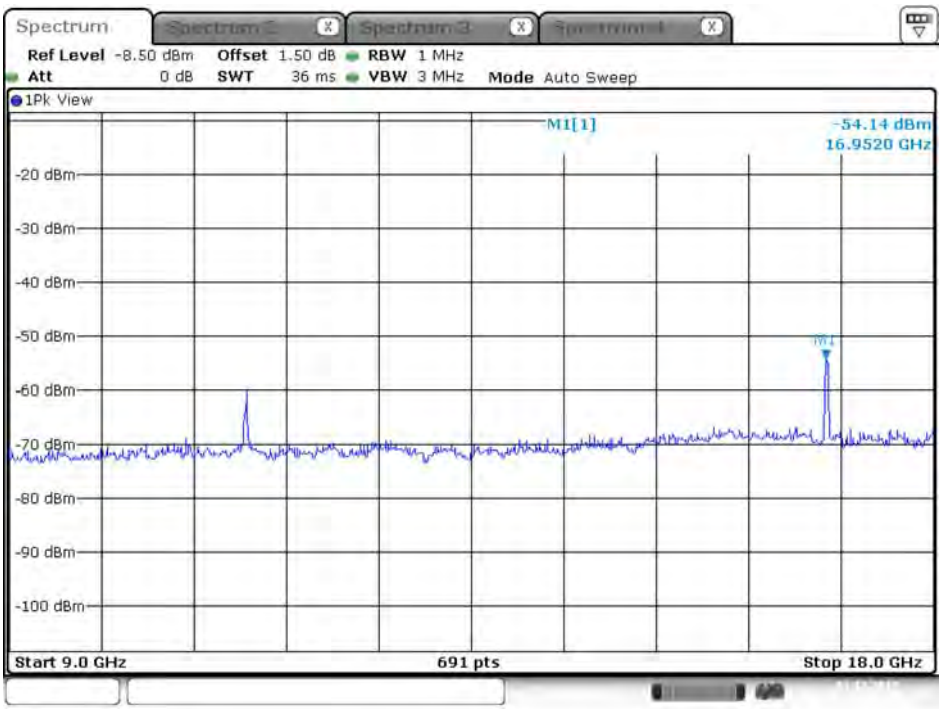
Date: 1.DEC.2017 17:28:06

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 1 / 9GHz~18GHz



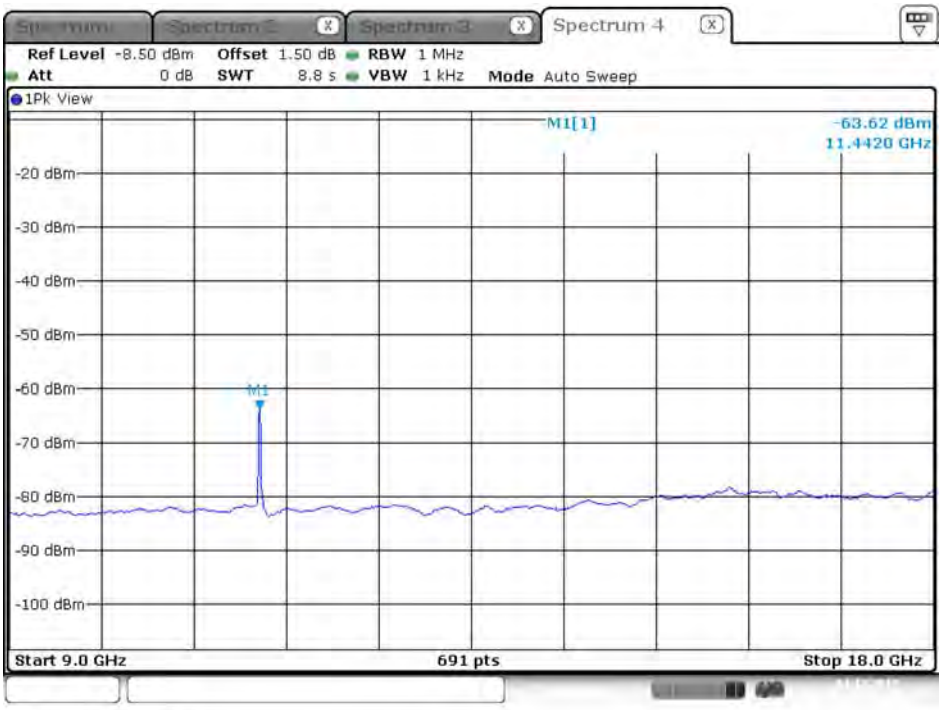
Date: 1.DEC.2017 17:02:34

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 2 / 9GHz~18GHz



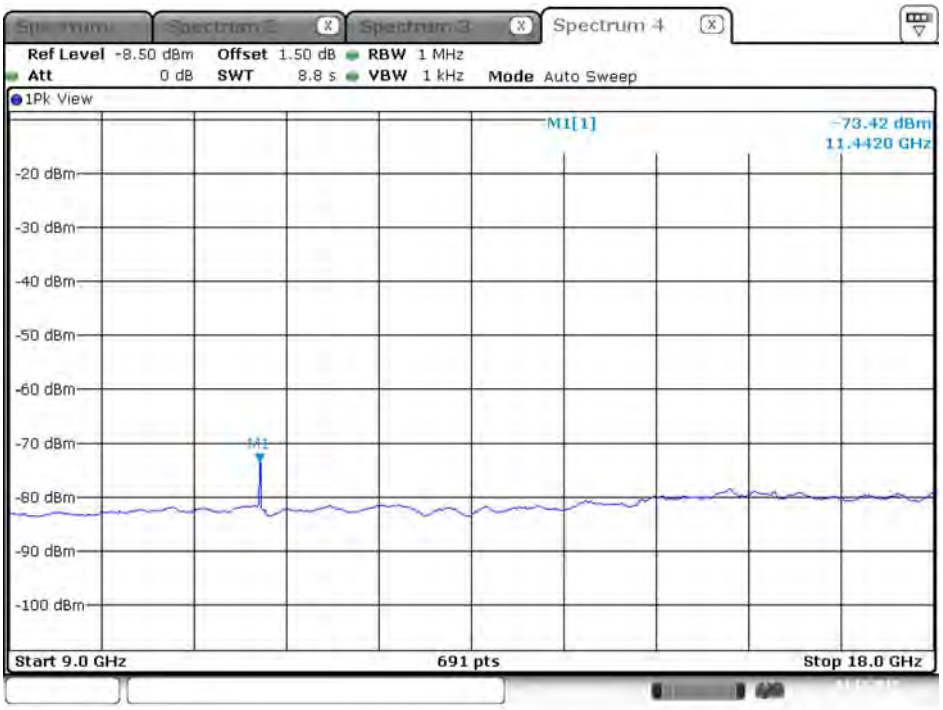
Date: 1.DEC.2017 17:26:31

Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 1 / 9GHz~18GHz



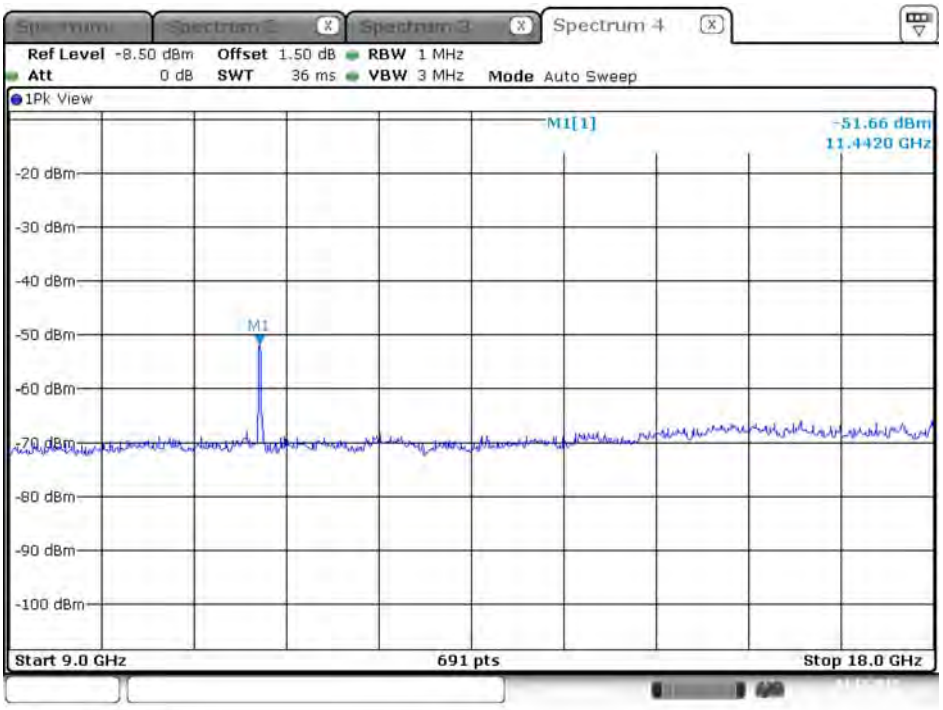
Date: 4.DEC.2017 15:11:41

Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 2 / 9GHz~18GHz



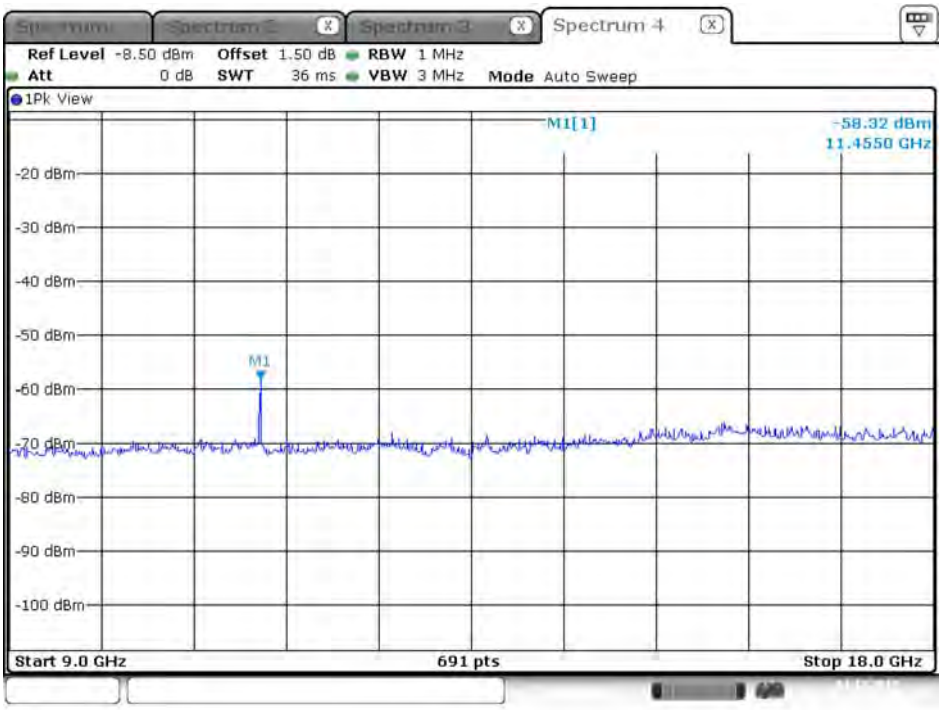
Date: 4.DEC.2017 15:18:09

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 1 / 9GHz~18GHz



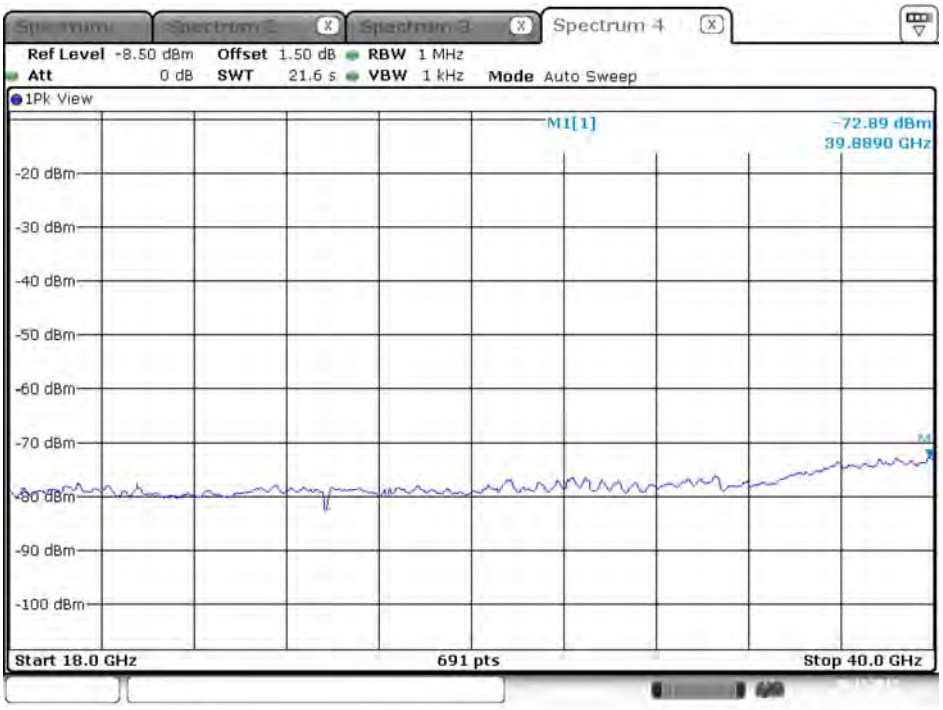
Date: 4.DEC.2017 15:12:34

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 2 / 9GHz~18GHz



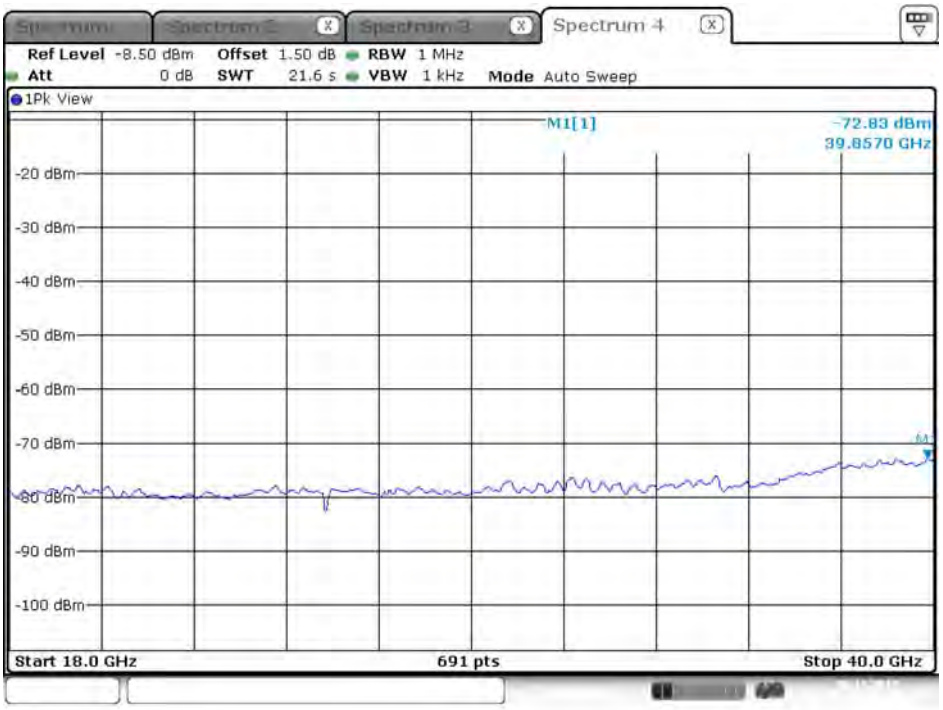
Date: 4.DEC.2017 15:18:50

Plot on Configuration QPSK, 20M / 5260 MHz / Average / Port 1 / 18GHz~40GHz



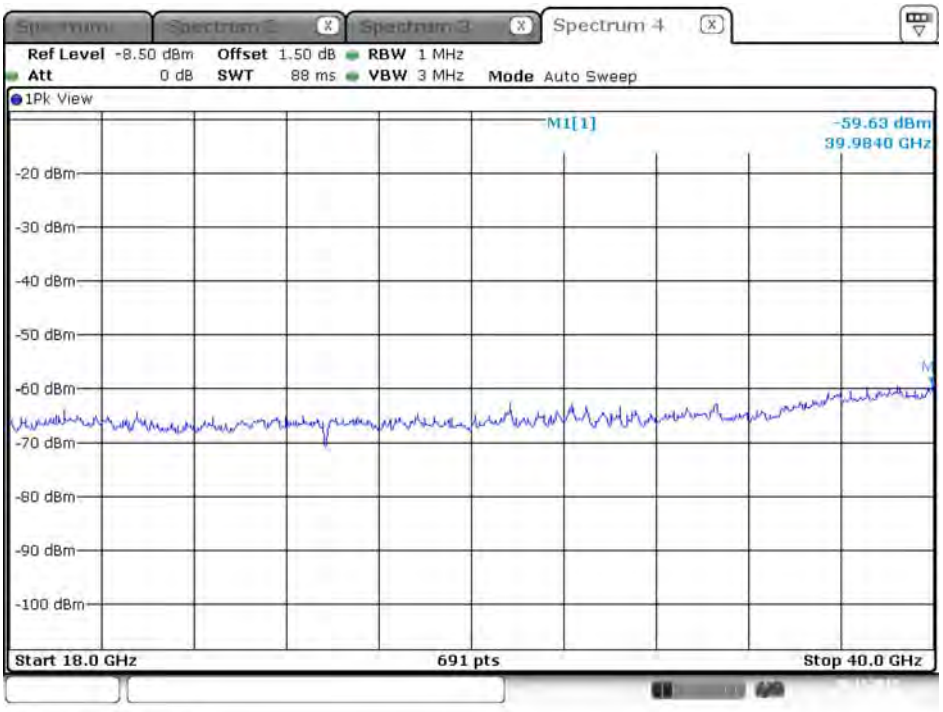
Date: 30.NOV.2017 21:05:45

Plot on Configuration QPSK, 20M / 5260 MHz / Average / Port 2 / 18GHz~40GHz



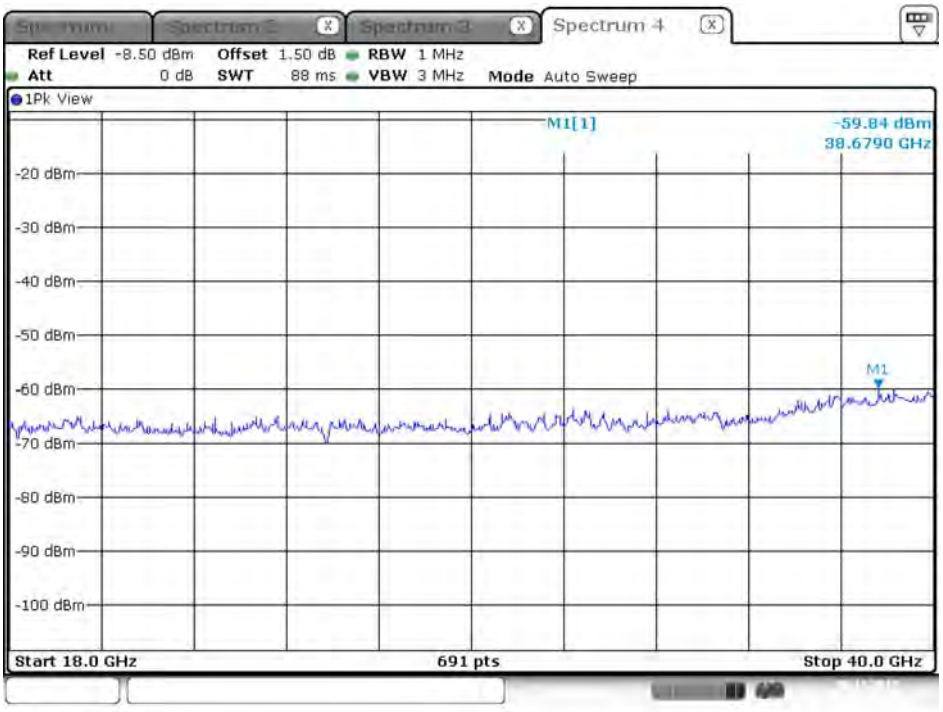
Date: 30.NOV.2017 21:09:11

Plot on Configuration QPSK, 20M / 5260 MHz / Peak / Port 1 / 18GHz~40GHz



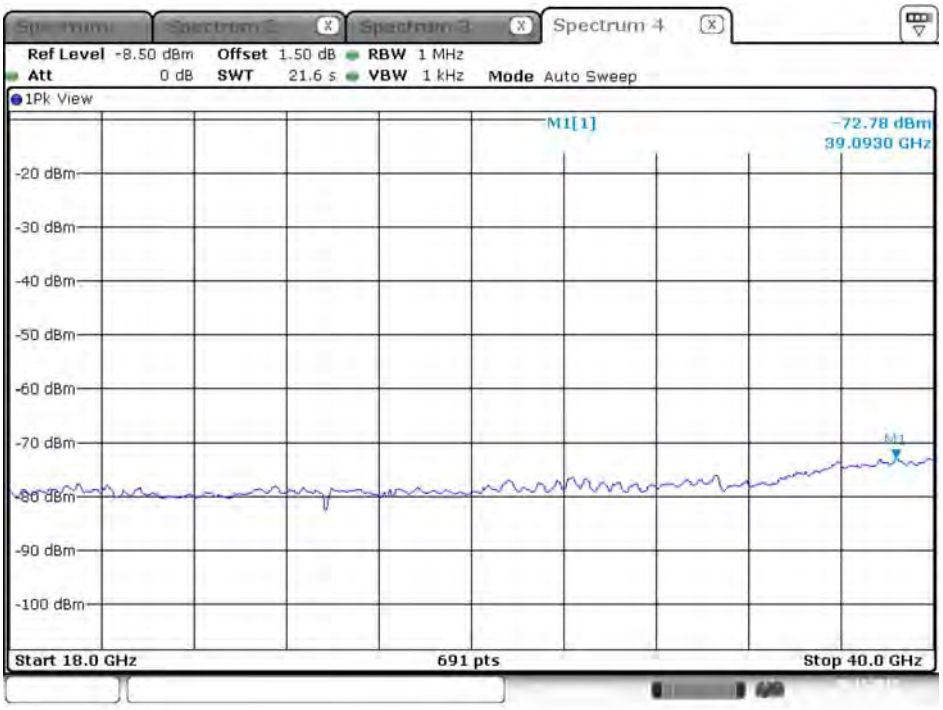
Date: 30.NOV.2017 21:06:40

Plot on Configuration QPSK, 20M / 5260 MHz / Peak / Port 2 / 18GHz~40GHz



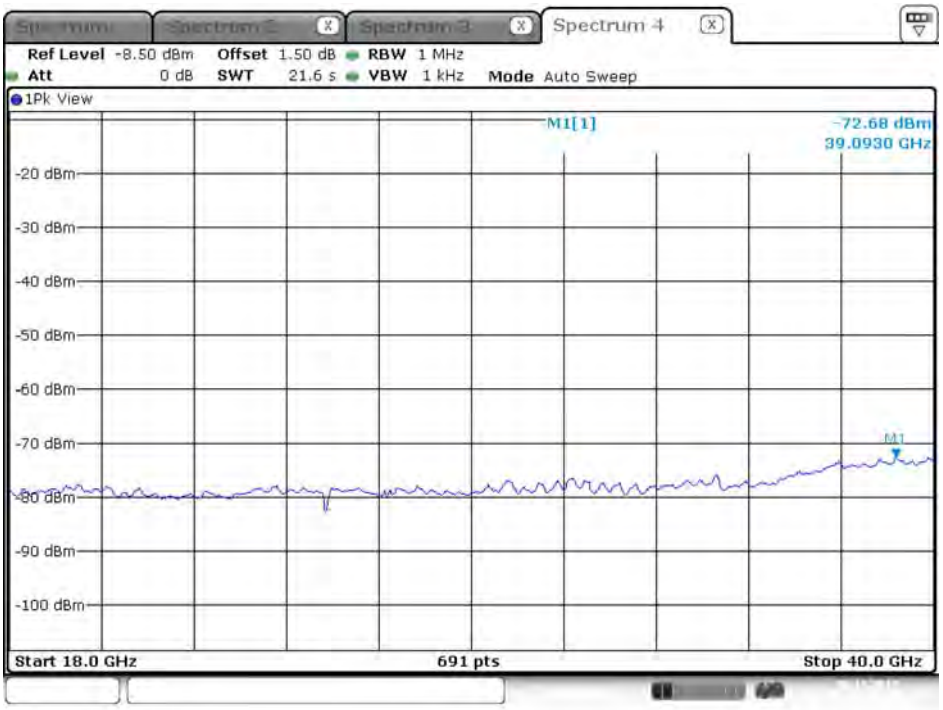
Date: 30.NOV.2017 21:09:39

Plot on Configuration QPSK, 20M / 5300 MHz / Average / Port 1 / 18GHz~40GHz



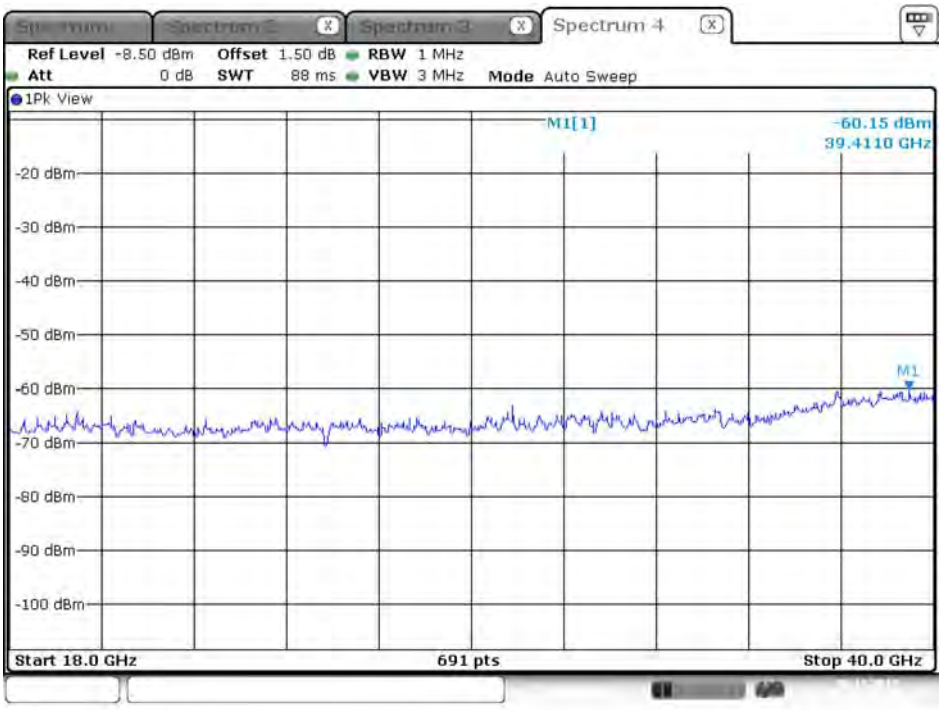
Date: 30.NOV.2017 21:28:15

Plot on Configuration QPSK, 20M / 5300 MHz / Average / Port 2 / 18GHz~40GHz



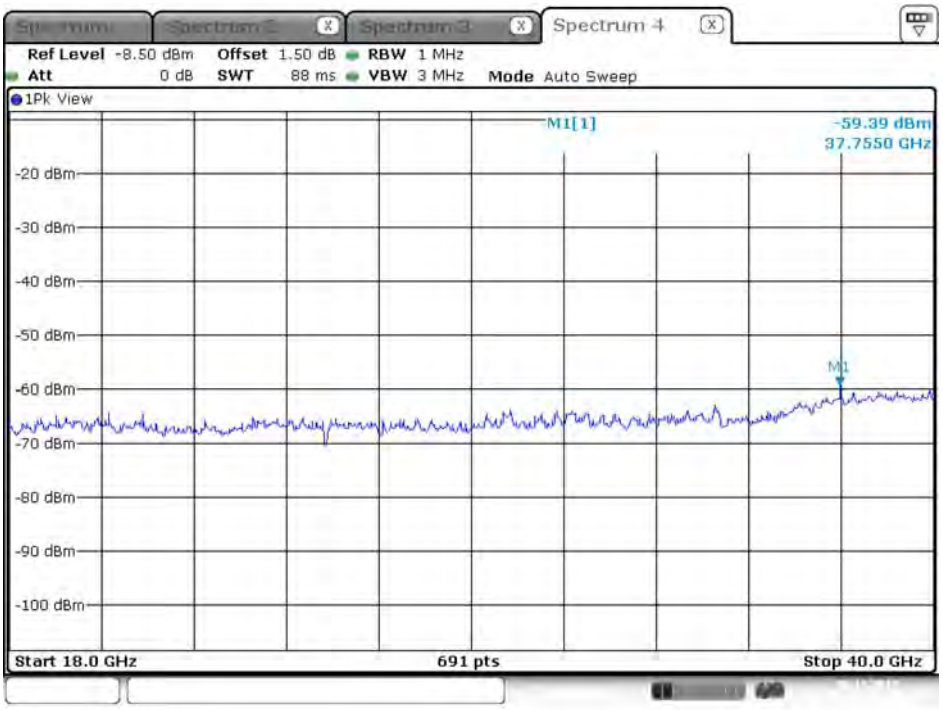
Date: 30.NOV.2017 22:01:46

Plot on Configuration QPSK, 20M / 5300 MHz / Peak / Port 1 / 18GHz~40GHz



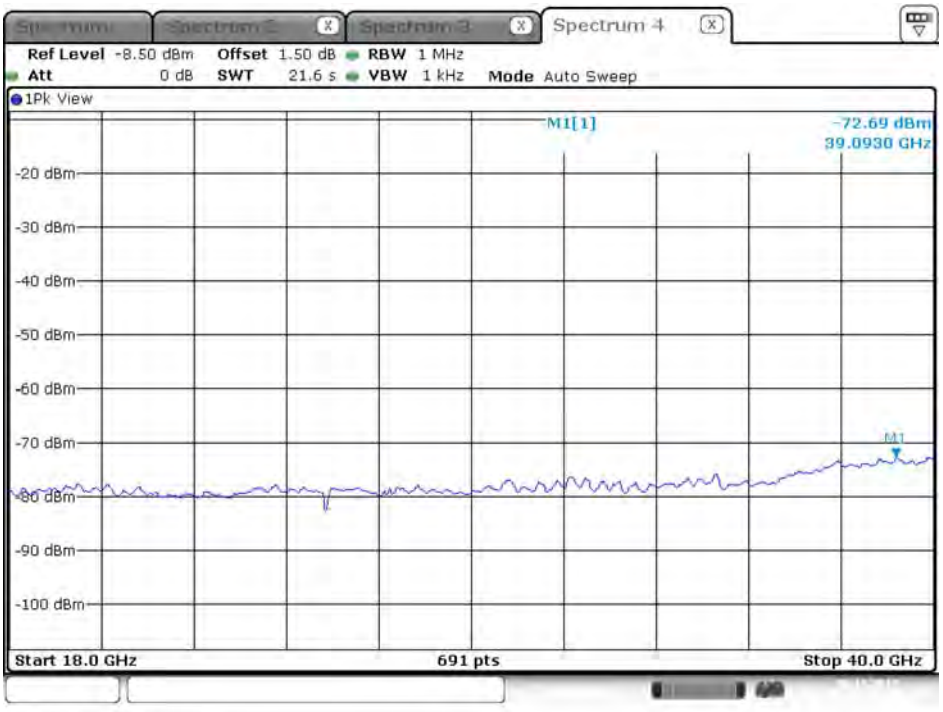
Date: 30.NOV.2017 21:28:38

Plot on Configuration QPSK, 20M / 5300 MHz / Peak / Port 2 / 18GHz~40GHz



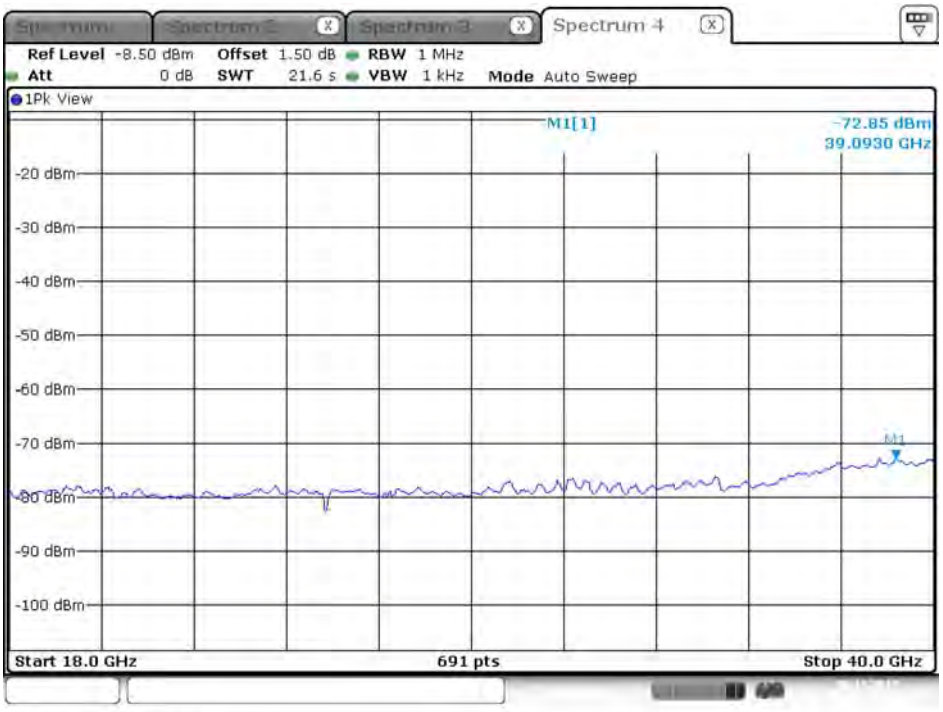
Date: 30.NOV.2017 22:03:44

Plot on Configuration QPSK, 20M / 5320 MHz / Average / Port 1 / 18GHz~40GHz



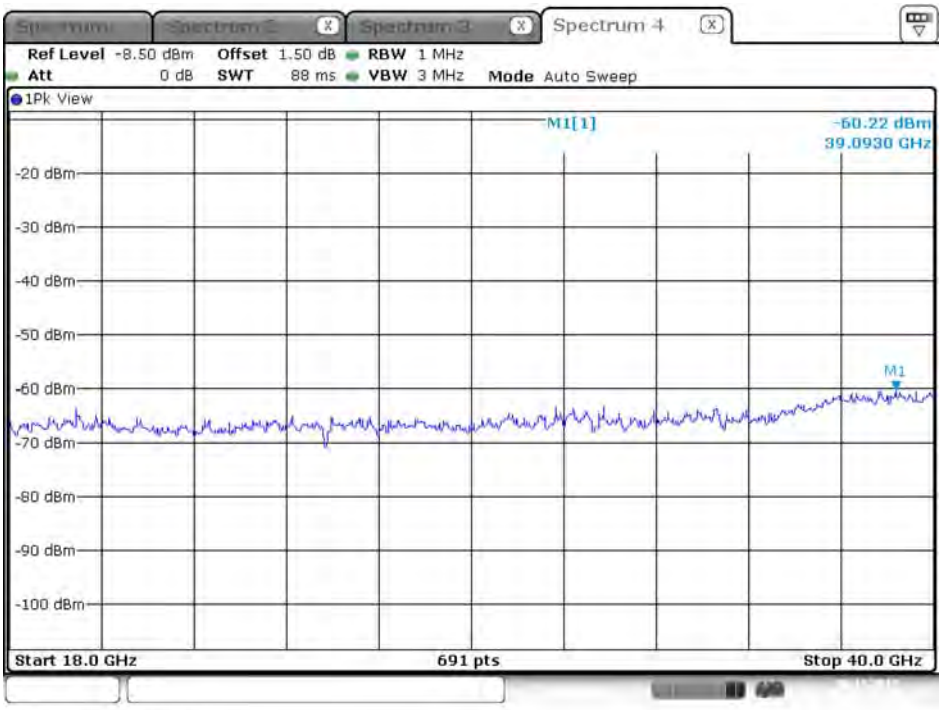
Date: 30.NOV.2017 22:23:50

Plot on Configuration QPSK, 20M / 5320 MHz / Average / Port 2 / 18GHz~40GHz



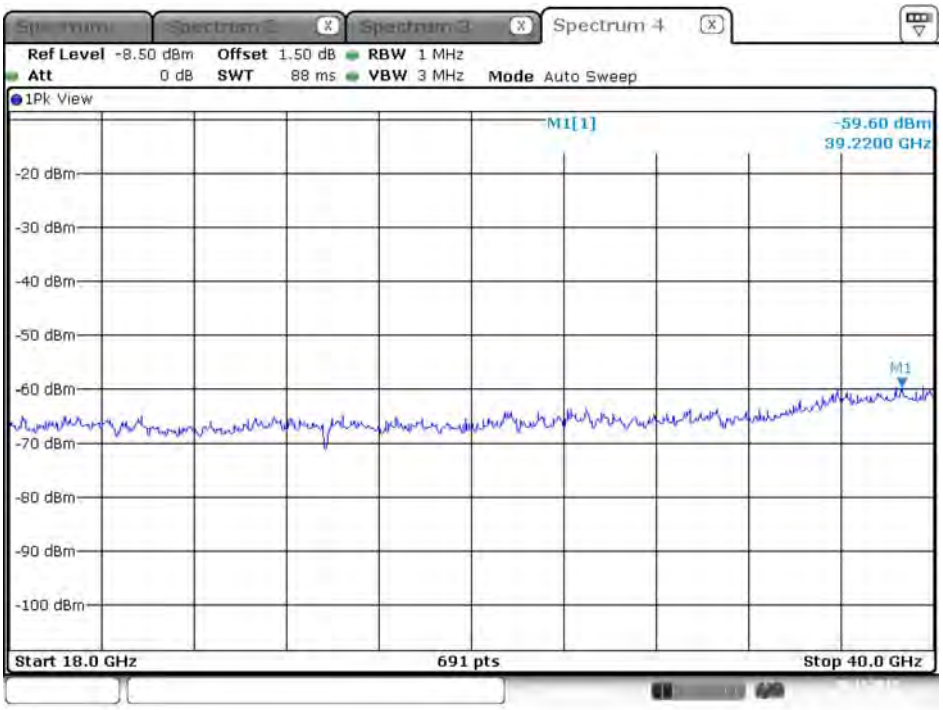
Date: 30.NOV.2017 22:27:03

Plot on Configuration QPSK, 20M / 5320 MHz / Peak / Port 1 / 18GHz~40GHz



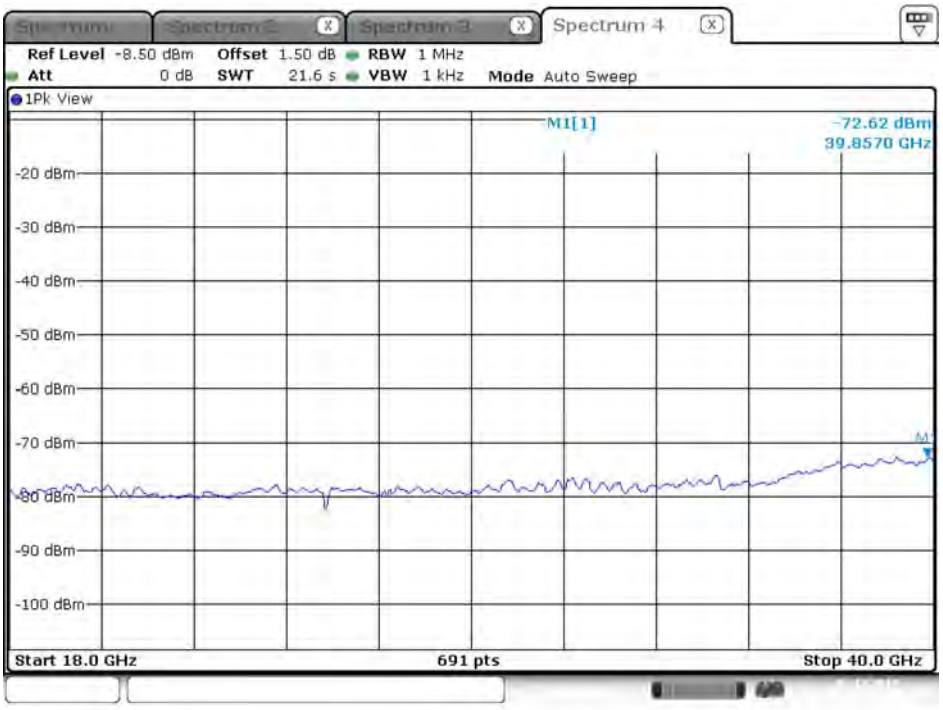
Date: 30.NOV.2017 22:24:33

Plot on Configuration QPSK, 20M / 5320 MHz / Peak / Port 2 / 18GHz~40GHz



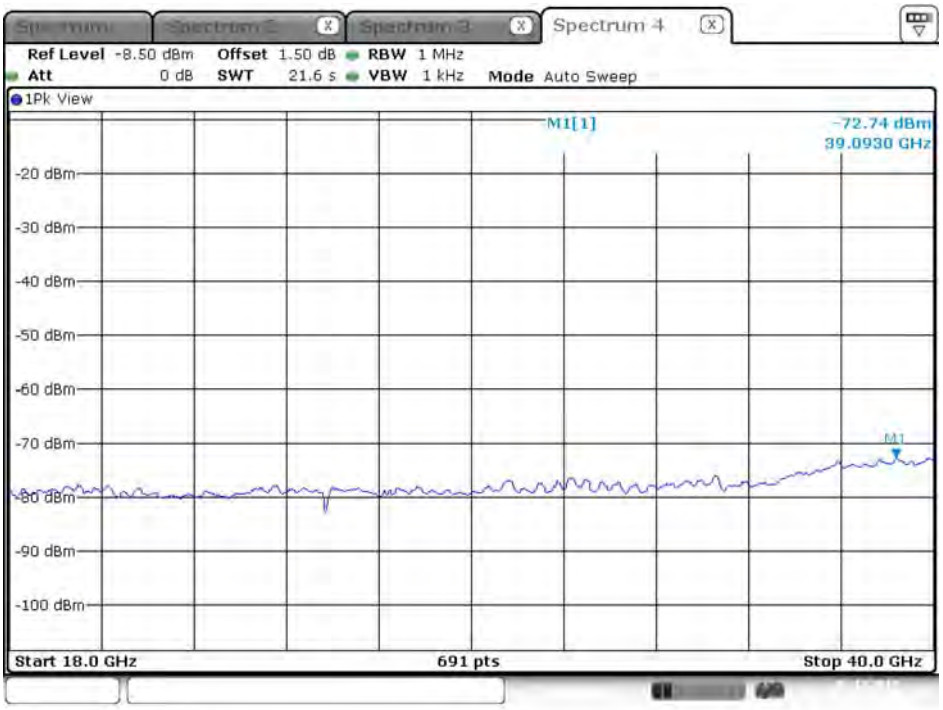
Date: 30.NOV.2017 22:27:38

Plot on Configuration QPSK, 20M / 5250 MHz / Average / Port 1 / 18GHz~40GHz



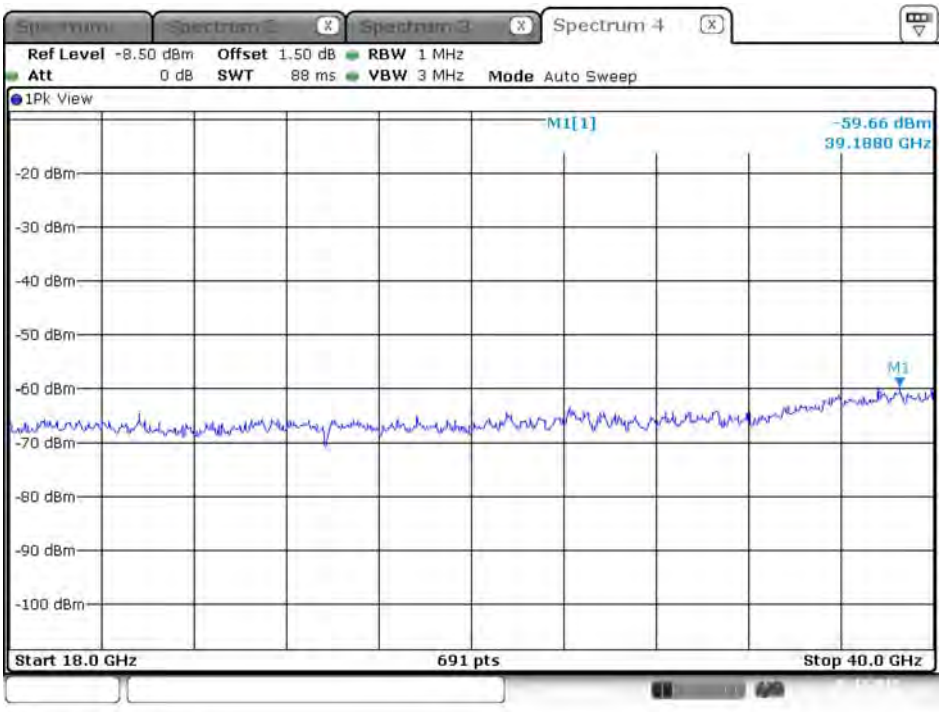
Date: 1.DEC.2017 00:19:55

Plot on Configuration QPSK, 20M / 5250 MHz / Average / Port 2 / 18GHz~40GHz



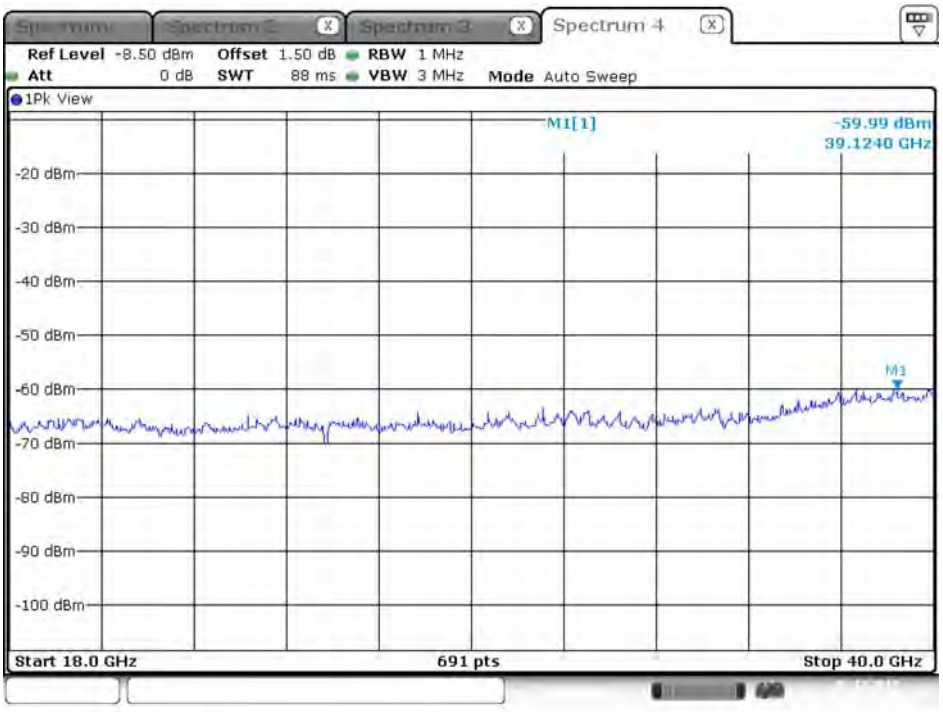
Date: 1.DEC.2017 00:24:10

Plot on Configuration QPSK, 20M / 5250 MHz / Peak / Port 1 / 18GHz~40GHz



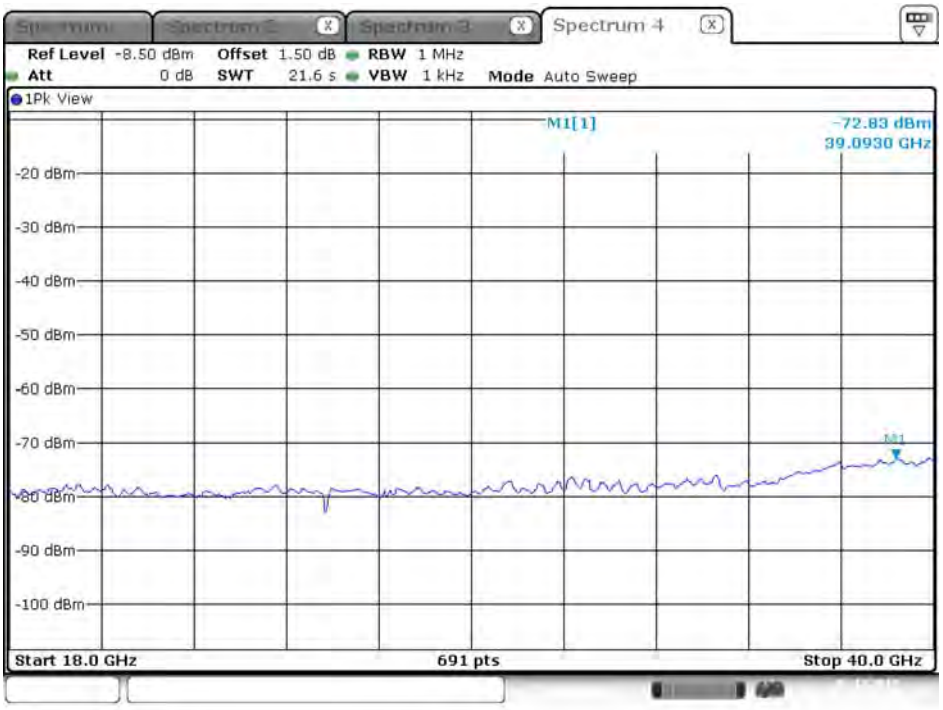
Date: 1.DEC.2017 00:20:21

Plot on Configuration QPSK, 20M / 5250 MHz / Peak / Port 2 / 18GHz~40GHz



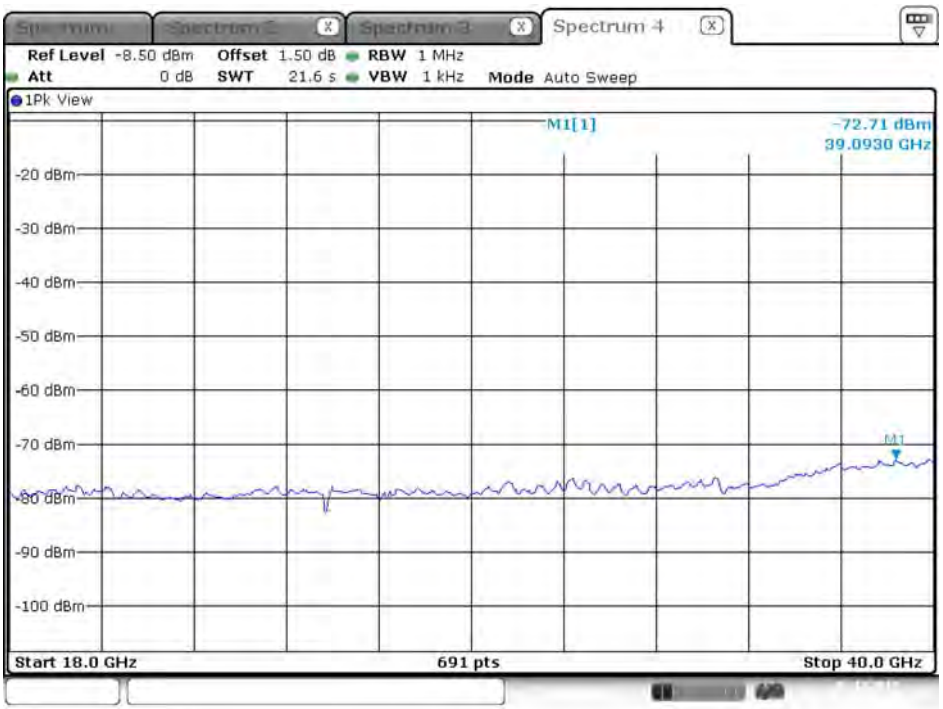
Date: 1.DEC.2017 00:25:03

Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 1 / 18GHz~40GHz



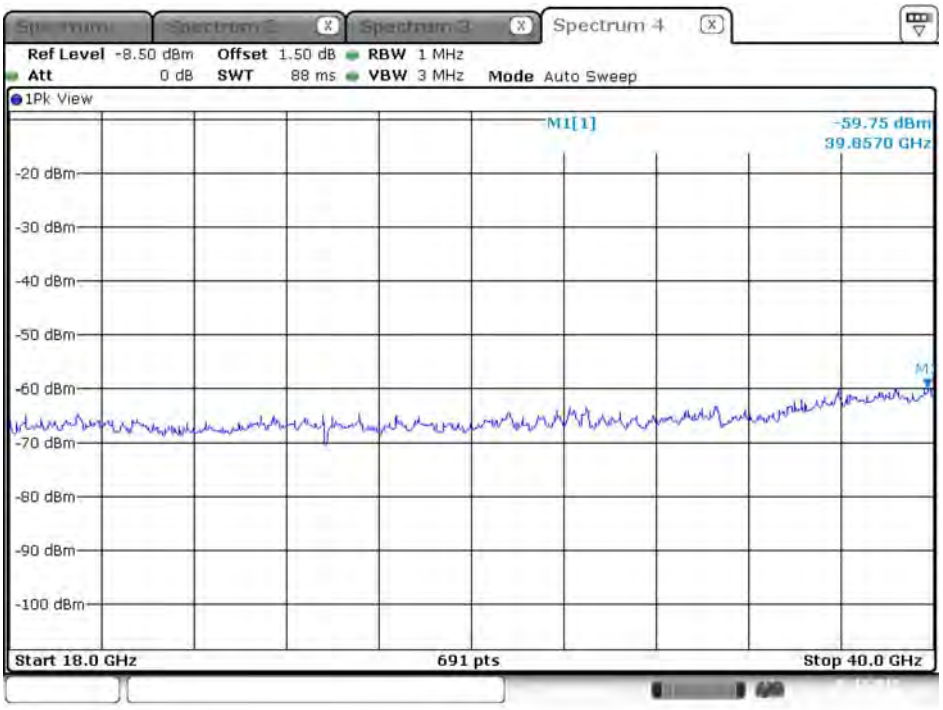
Date: 1.DEC.2017 01:59:28

Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 2 / 18GHz~40GHz



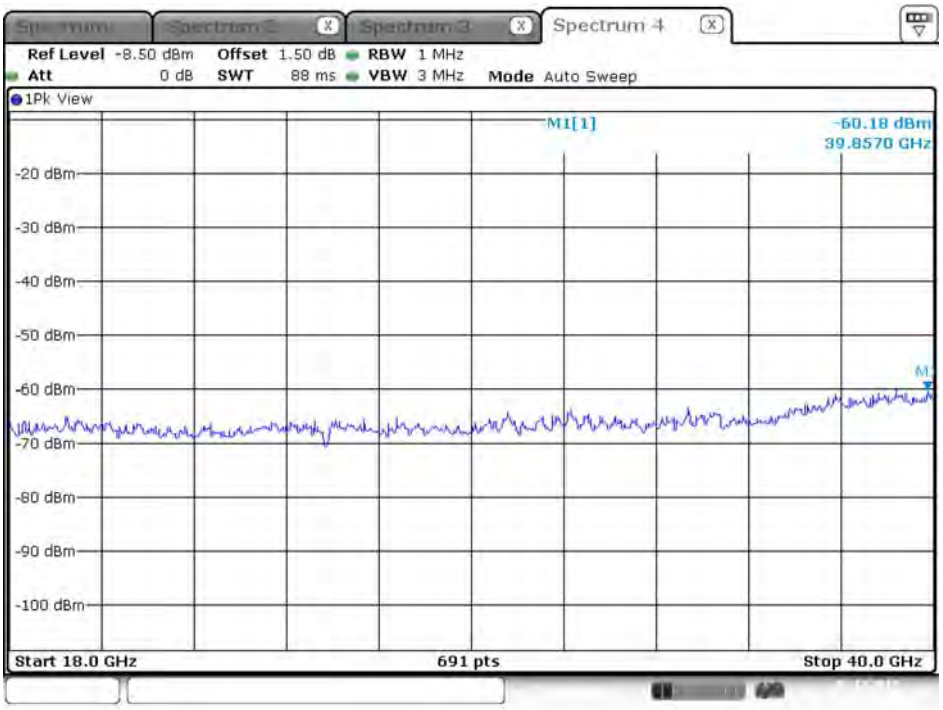
Date: 1.DEC.2017 02:02:43

Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 1 / 18GHz~40GHz



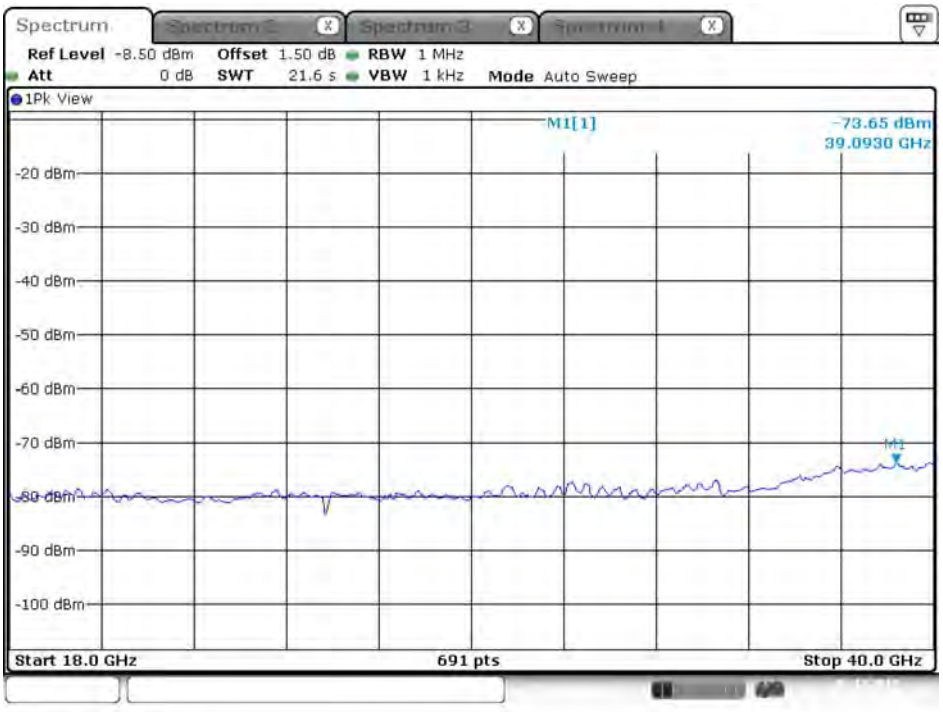
Date: 1.DEC.2017 01:59:59

Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 2 / 18GHz~40GHz



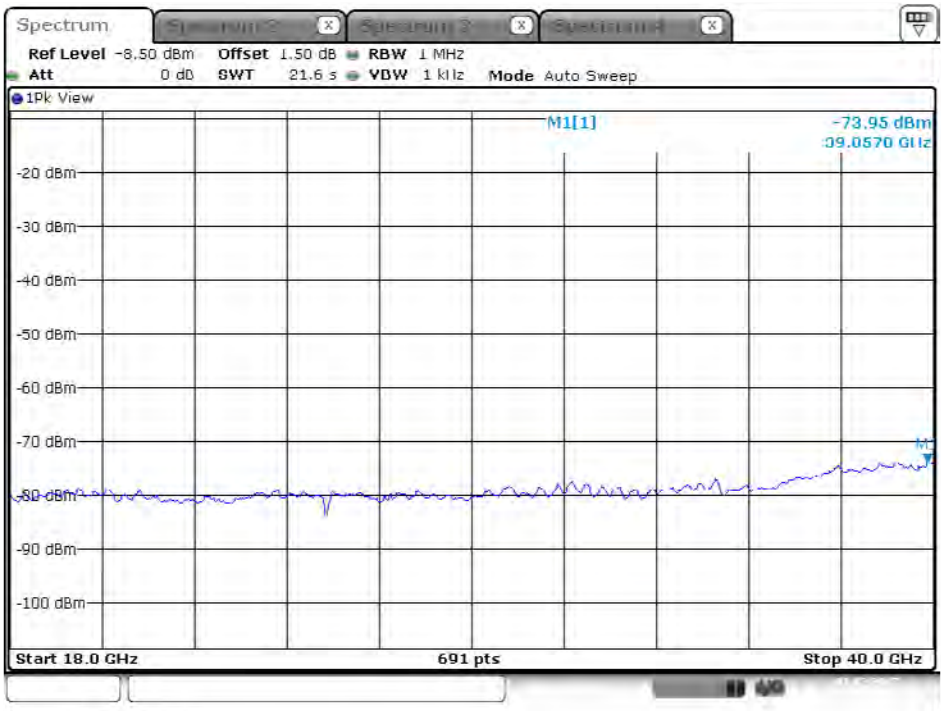
Date: 1.DEC.2017 02:03:30

Plot on Configuration QPSK, 20M / 5580 MHz / Average / Port 1 / 18GHz~40GHz



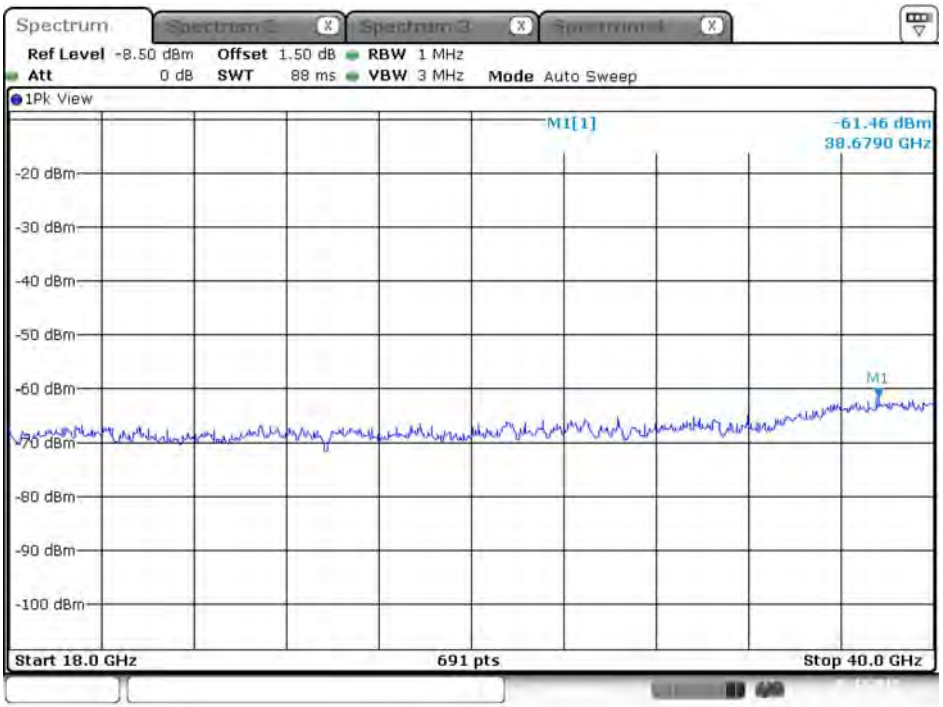
Date: 1.DEC.2017 15:24:38

Plot on Configuration QPSK, 20M / 5580 MHz / Average / Port 2 / 18GHz~40GHz



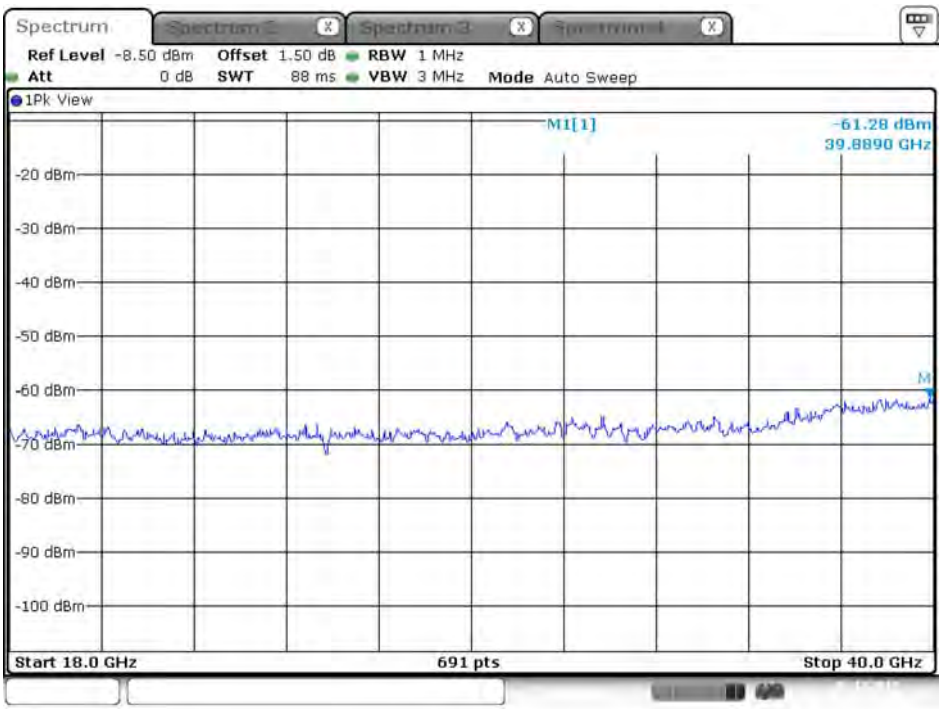
Date: 1.DEC.2017 15:40:07

Plot on Configuration QPSK, 20M / 5580 MHz / Peak / Port 1 / 18GHz~40GHz



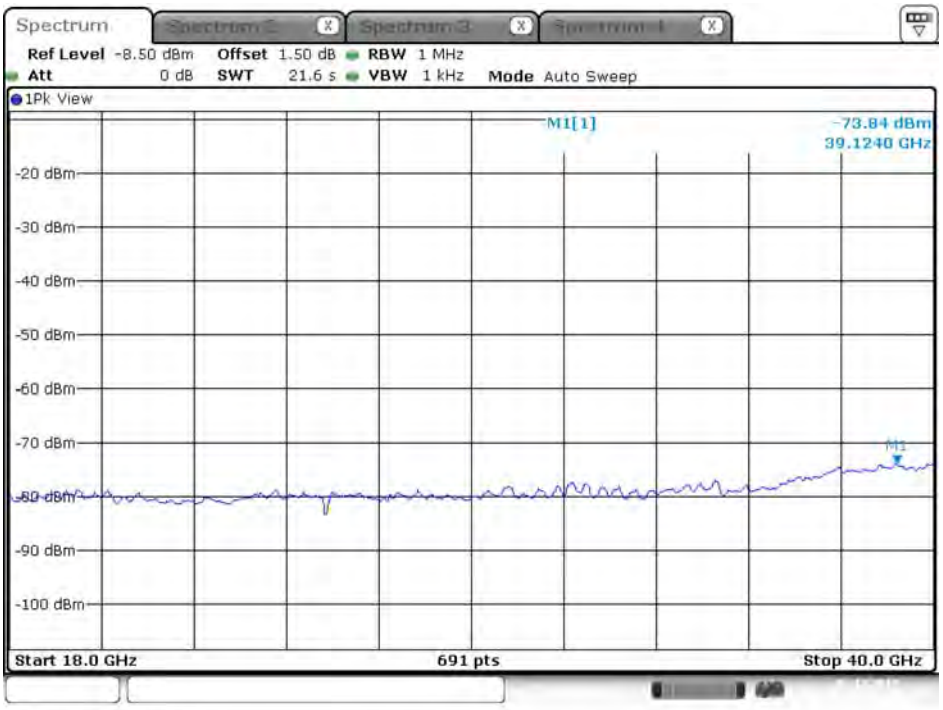
Date: 1.DEC.2017 15:25:07

Plot on Configuration QPSK, 20M / 5580MHz / Peak / Port 2 / 18GHz~40GHz



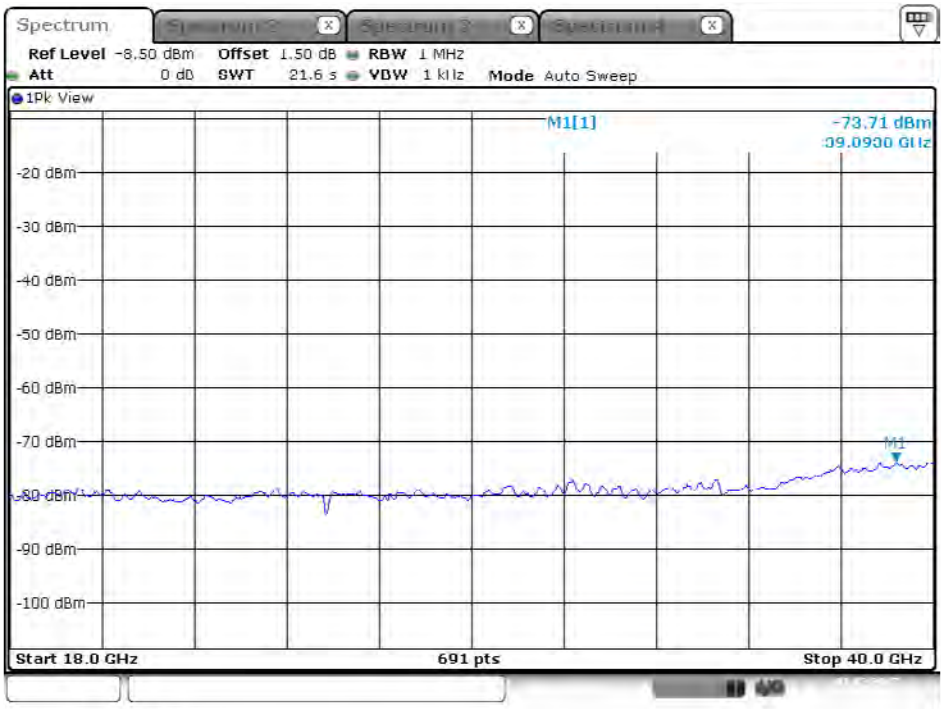
Date: 1.DEC.2017 15:48:31

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 1 / 18GHz~40GHz



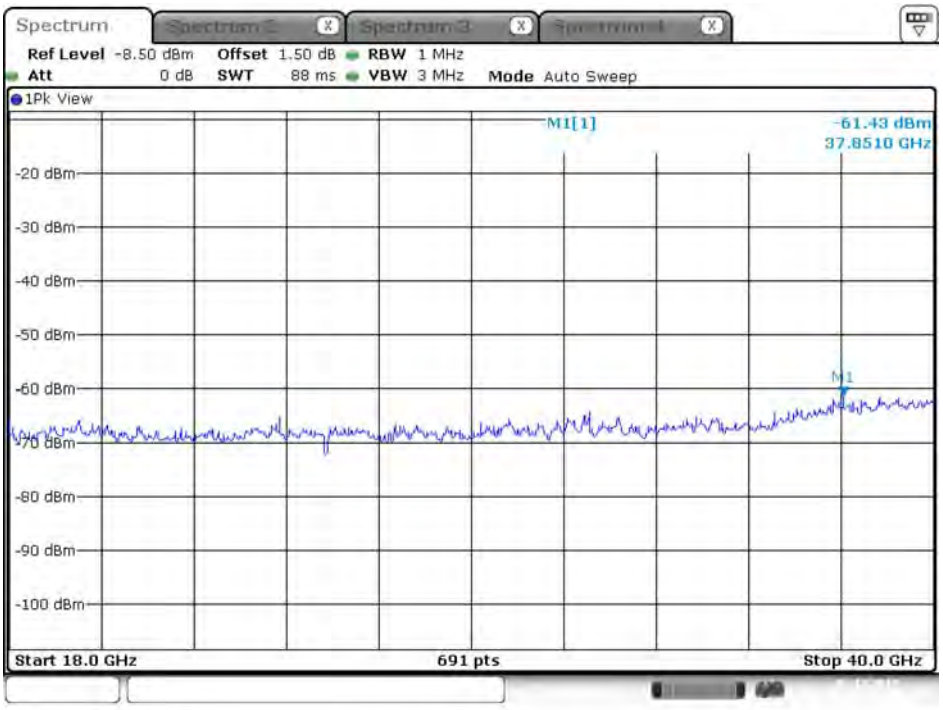
Date: 1.DEC.2017 15:26:37

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 2 / 18GHz~40GHz



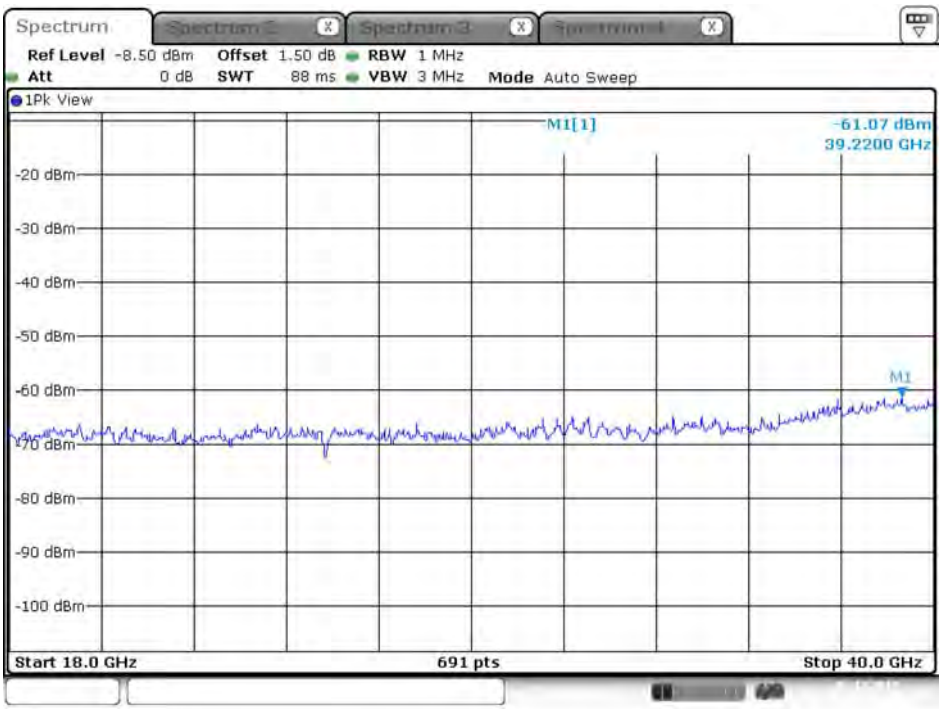
Date: 1.DEC.2017 15:52:03

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 1 / 18GHz~40GHz



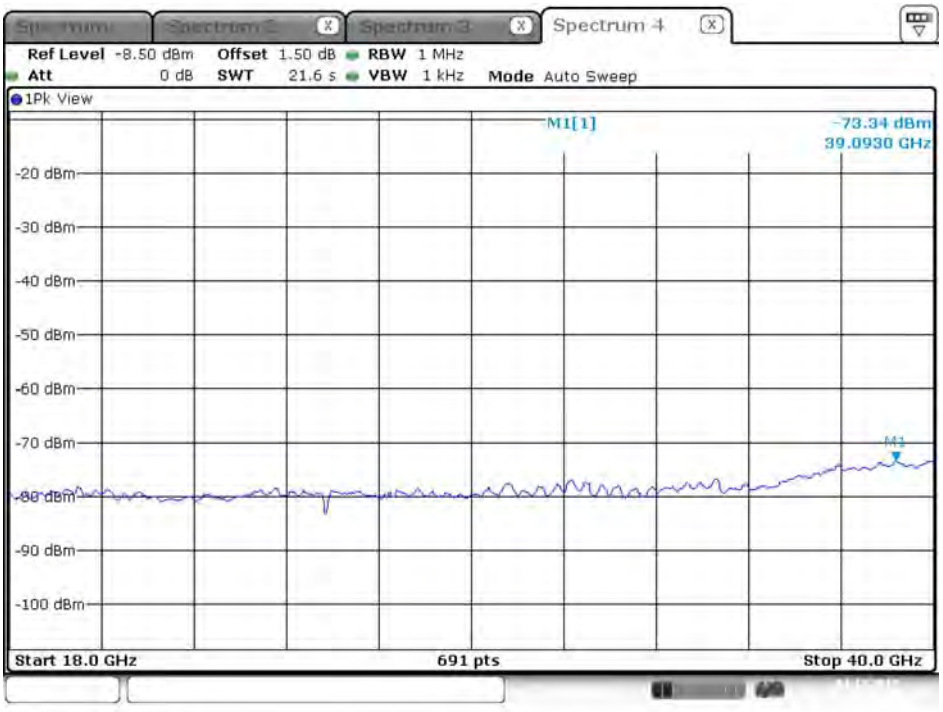
Date: 1.DEC.2017 15:27:09

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 2 / 18GHz~40GHz



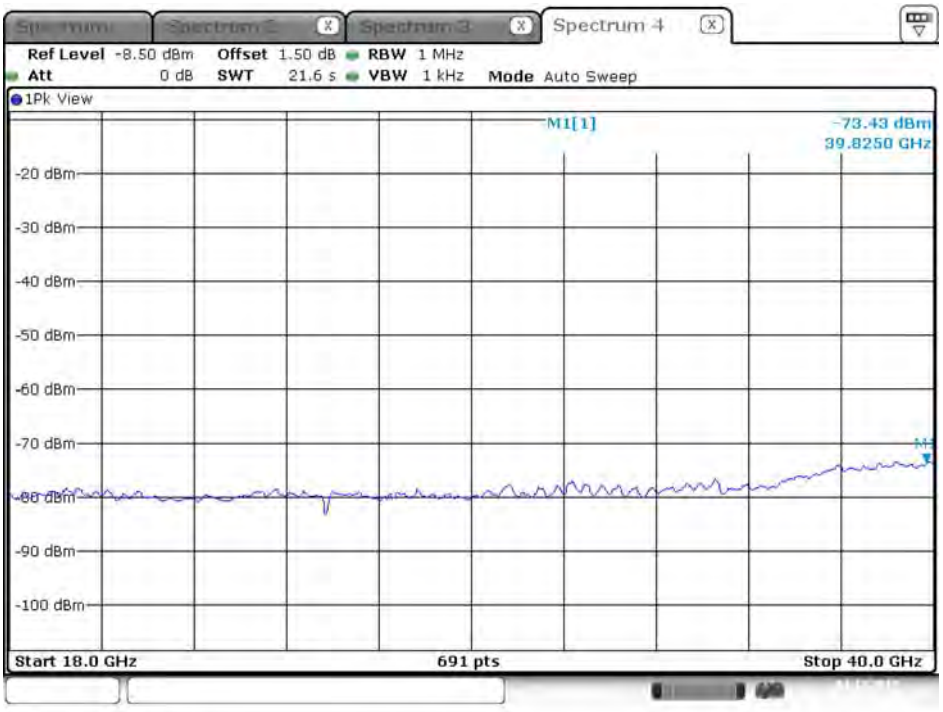
Date: 1.DEC.2017 15:52:25

Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 1 / 18GHz~40GHz



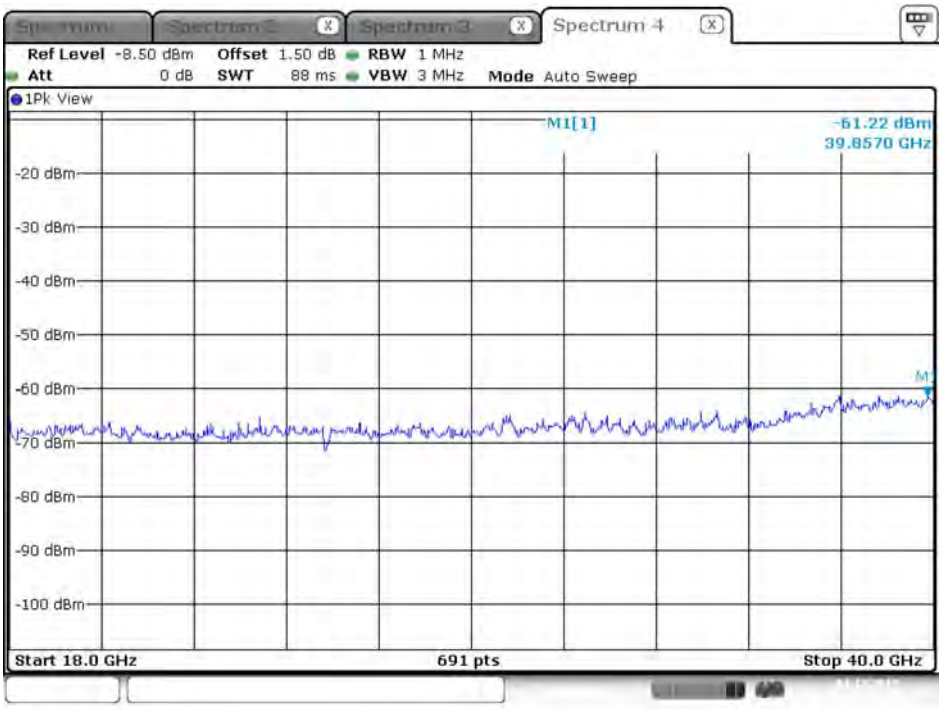
Date: 4.DEC.2017 15:13:48

Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 2 / 18GHz~40GHz



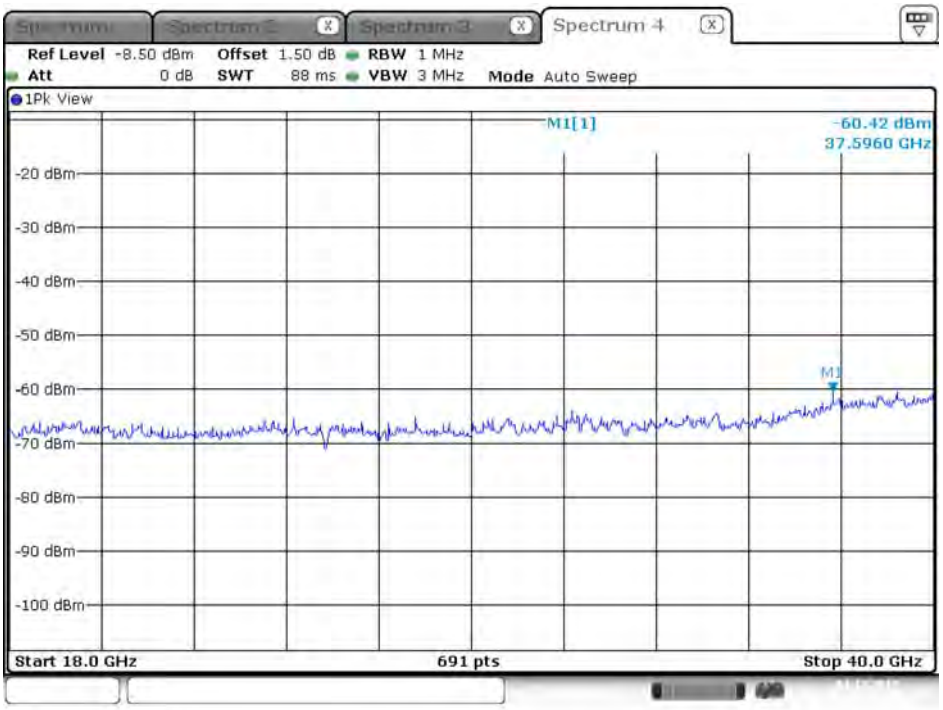
Date: 4.DEC.2017 15:16:19

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 1 / 18GHz~40GHz



Date: 4.DEC.2017 15:14:30

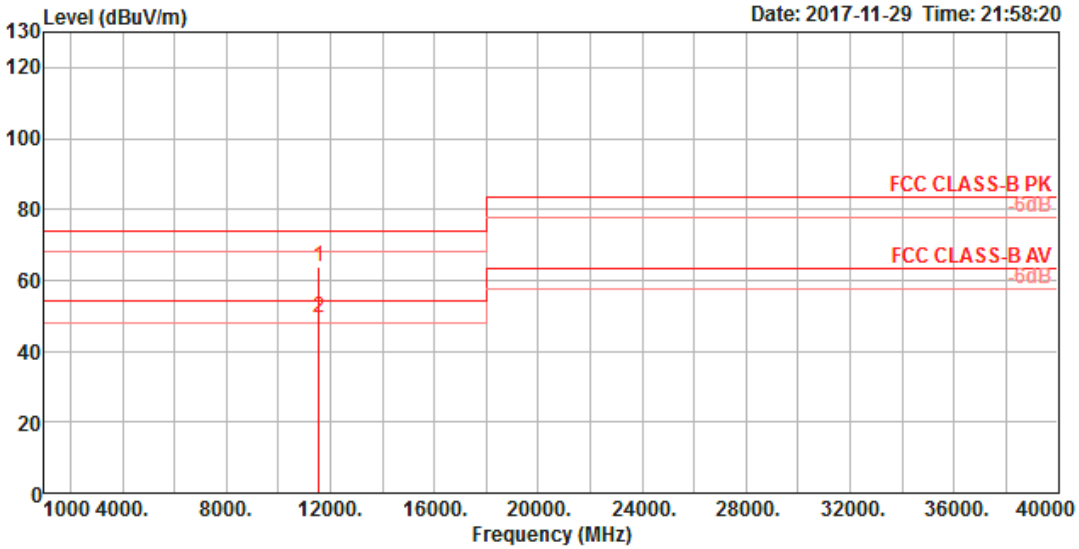
Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 2 / 18GHz~40GHz



Date: 4.DEC.2017 15:17:09

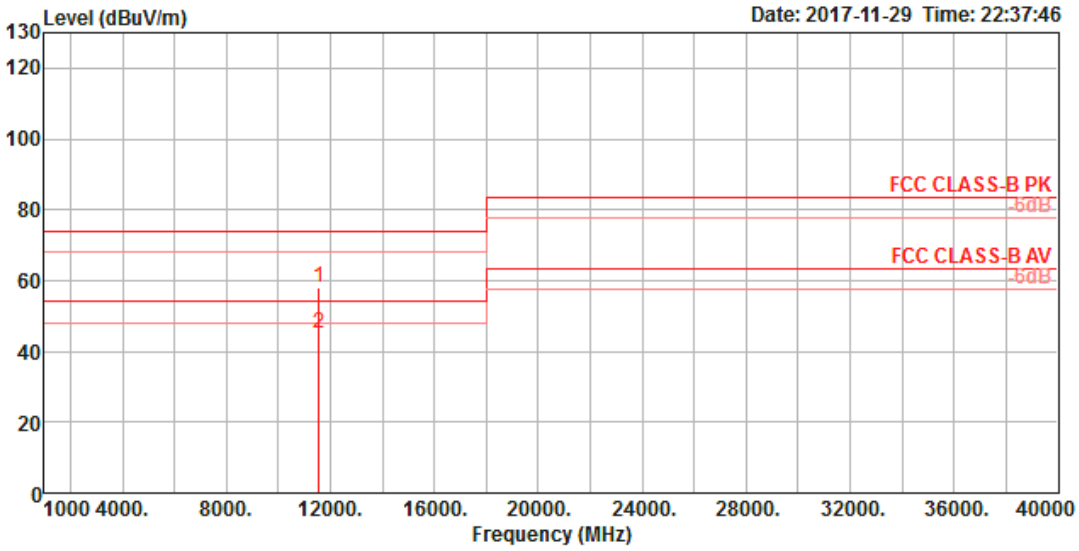
For Cabinet test:

Polarization	Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11574.60	63.82	74.00	-10.18	50.22	9.48	39.05	34.93	282	253	Peak	VERTICAL
2	11576.40	49.47	54.00	-4.53	35.87	9.48	39.05	34.93	282	253	Average	VERTICAL

Polarization	Horizential



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11571.40	57.97	74.00	-16.03	44.37	9.48	39.05	34.93	296	158	Peak	HORIZONTAL
2	11573.90	45.15	54.00	-8.85	31.55	9.48	39.05	34.93	296	158	Average	HORIZONTAL

4.6. Band Edge Emissions Measurement

4.6.1. Limit

For transmitters operating in the 5.15-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.470-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.6.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for Peak

4.6.3. Test Procedures

The test procedure is the same as section 4.4.3

4.6.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.4.4

4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

For Antenna 2:

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 20M / Average / Port 1+Port 2

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5260	-69.83	-69.64	-41.72	-41.25	0.47
5300	-70.09	-70.19	-42.13	-41.25	0.88
5320	-69.95	-70.02	-41.97	-41.25	0.72
5250	-69.53	-69.14	-41.32	-41.25	0.07

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 20M / Peak / Port 1+Port 2

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5260	-57.05	-56.11	-28.54	-21.25	7.29
5300	-57.61	-57.53	-29.56	-21.25	8.31
5320	-56.22	-57.28	-28.71	-21.25	7.46
5250	-57.27	-55.83	-28.48	-21.25	7.23

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 80M / Average / Port 1+Port 2

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5290	-70.22	-69.15	-41.64	-41.25	0.39
5300	-69.93	-69.33	-41.61	-41.25	0.36
5250	-69.84	-69.30	-41.55	-41.25	0.30

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 80M / Peak / Port 1+Port 2

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5290	-56.66	-57.31	-28.96	-21.25	7.71
5300	-56.74	-57.36	-29.03	-21.25	7.78
5250	-57.54	-56.22	-28.82	-21.25	7.57

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 20M / Average / Port 1+Port 2

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5500	-70.92	-70.69	-42.79	-41.25	1.54
5580	-68.77	-70.04	-41.35	-41.25	0.10
5650	-69.79	-68.84	-41.28	-41.25	0.03
5720	-68.81	-69.80	-41.27	-41.25	0.02

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 20M / Peak / Port 1+Port 2

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5500	-54.86	-56.70	-27.67	-21.25	6.42
5580	-56.91	-56.16	-28.51	-21.25	7.26
5650	-56.87	-55.98	-28.39	-21.25	7.14
5720	-56.95	-54.98	-27.84	-21.25	6.59

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 80M / Average / Port 1+Port 2

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5520	-70.48	-70.22	-42.34	-41.25	1.09
5610	-70.42	-68.38	-41.27	-41.25	0.02
5650	-70.65	-68.25	-41.28	-41.25	0.03
5720	-69.01	-70.70	-41.76	-41.25	0.51

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 80M / Peak / Port 1+Port 2

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5520	-54.86	-56.70	-27.67	-21.25	6.42
5610	-56.91	-56.16	-28.51	-21.25	7.26
5650	-56.87	-55.98	-28.39	-21.25	7.14
5720	-56.95	-54.98	-27.84	-21.25	6.59

For Antenna 3:

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 20M / Average / Port 1+Port 2

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5260	-55.51	-54.32	-49.86	-41.25	8.61
5300	-53.75	-54.74	-49.21	-41.25	7.96
5320	-44.85	-50.63	-41.83	-41.25	0.58
5250	-54.71	-53.72	-49.18	-41.25	7.93

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 20M / Peak / Port 1+Port 2

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5260	-41.45	-39.17	-35.15	-21.25	13.90
5300	-41.03	-43.01	-36.90	-21.25	15.65
5320	-24.83	-33.13	-22.23	-21.25	0.98
5250	-39.24	-39.24	-34.23	-21.25	12.98

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 20M / Average / Port 1+Port 2

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5500	-50.15	-45.24	-42.02	-41.25	0.77
5580	-49.89	-52.96	-46.15	-41.25	4.90
5650	-52.47	-55.32	-48.65	-41.25	7.40
5720	-52.67	-53.76	-48.17	-41.25	6.92

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 20M / Peak / Port 1+Port 2

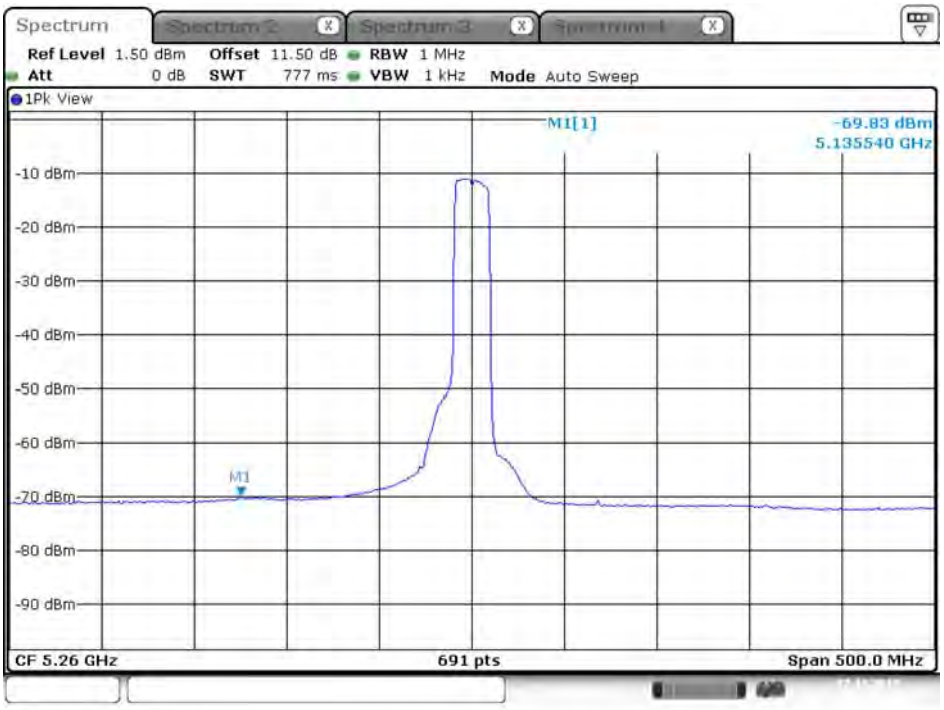
Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5500	-35.89	-30.29	-27.23	-21.25	5.98
5580	-40.81	-40.72	-35.75	-21.25	14.50
5650	-43.17	-43.21	-38.18	-21.25	16.93
5720	-43.57	-43.80	-38.67	-21.25	17.42

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brian Sun / Serway Li	Configurations	QPSK, 20M / Peak / Port 1+Port 2
Restriction band	Emission in Non-restriction band		

Frequency (MHz)	Port 1 (TX1) Band Edge Level (dBm)	Port 2 (TX2) Band Edge Level (dBm)	Total Band Edge Level (dBm)	Limit (dBm)	Margin (dB)
5650	-32.67	-39.89	-29.92	-27.00	2.92
5720	-42.77	-41.49	-37.07	-27.00	10.07

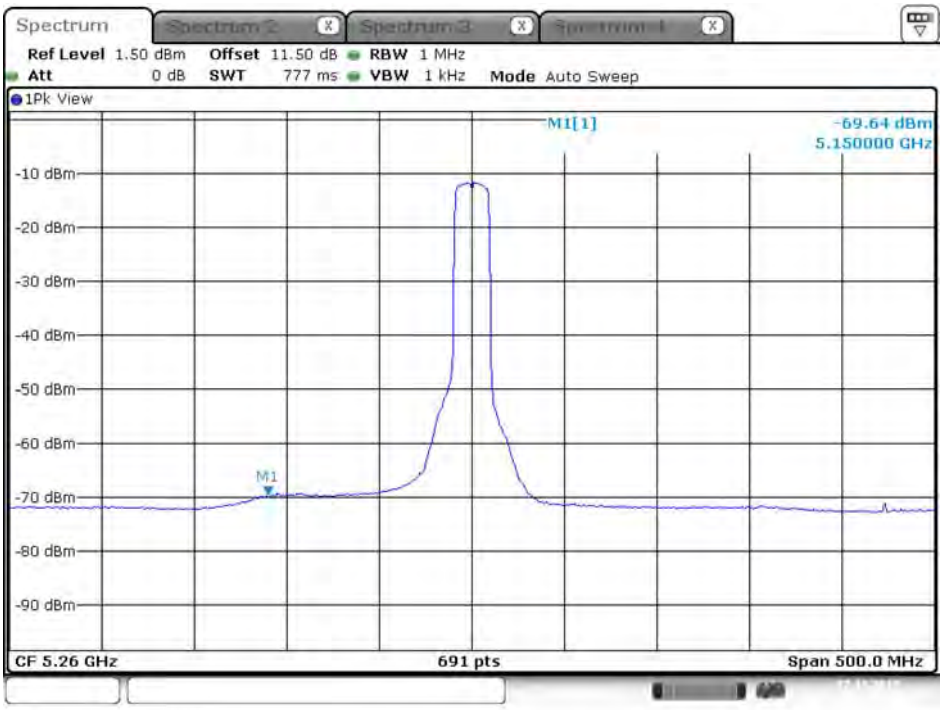
For Antenna 2:

Plot on Configuration QPSK, 20M / 5260 MHz / Average / Port 1 (TX1)



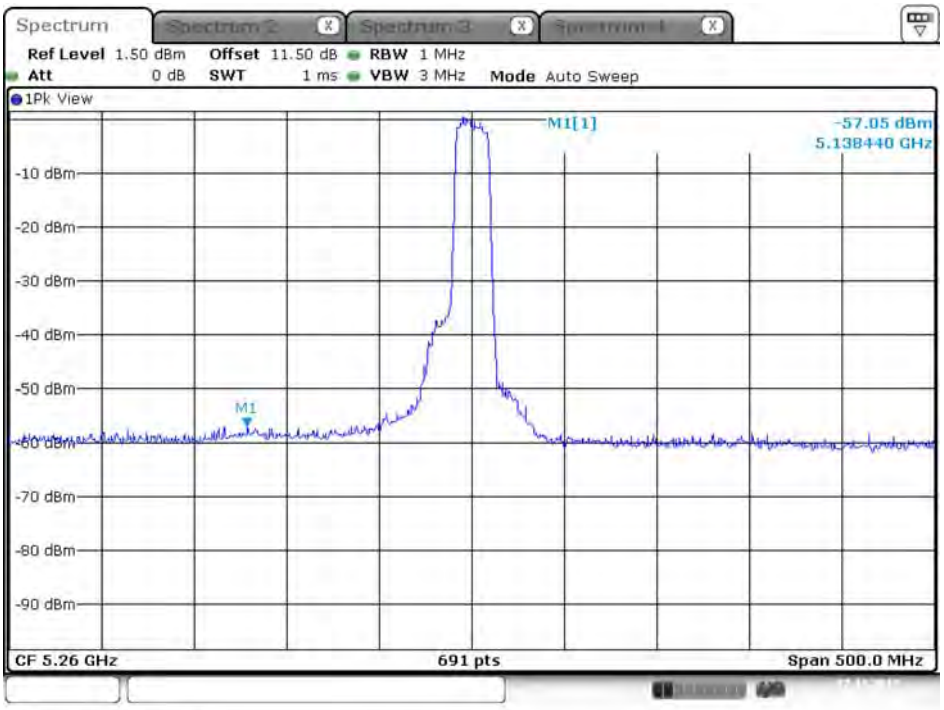
Date: 27.NOV.2017 10:05:15

Plot on Configuration QPSK, 20M / 5260 MHz / Average / Port 2 (TX2)



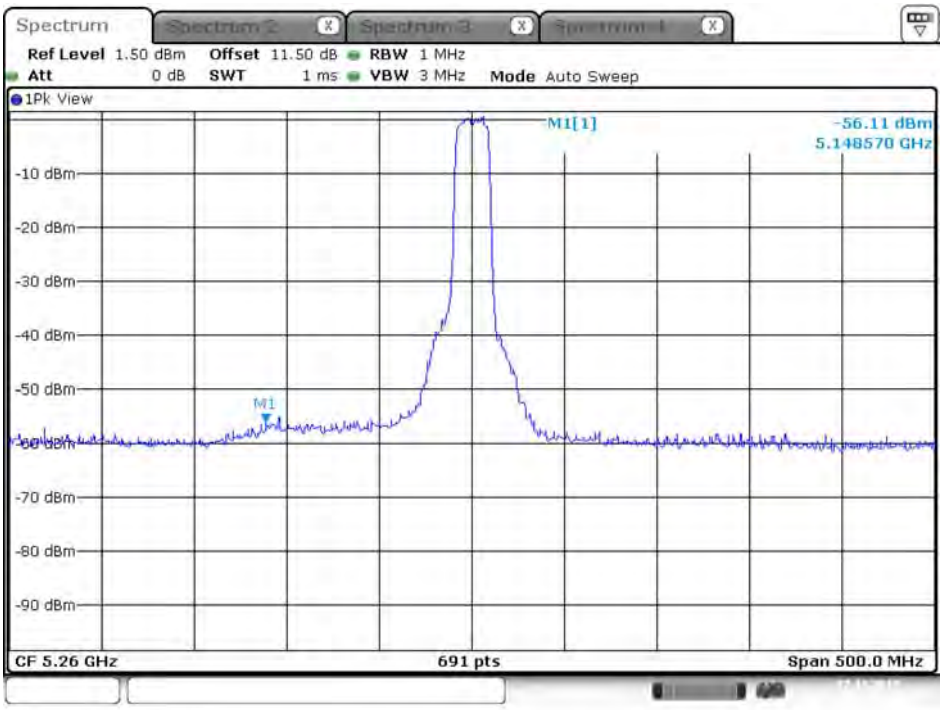
Date: 27.NOV.2017 10:03:50

Plot on Configuration QPSK, 20M / 5260 MHz / Peak / Port 1 (TX1)



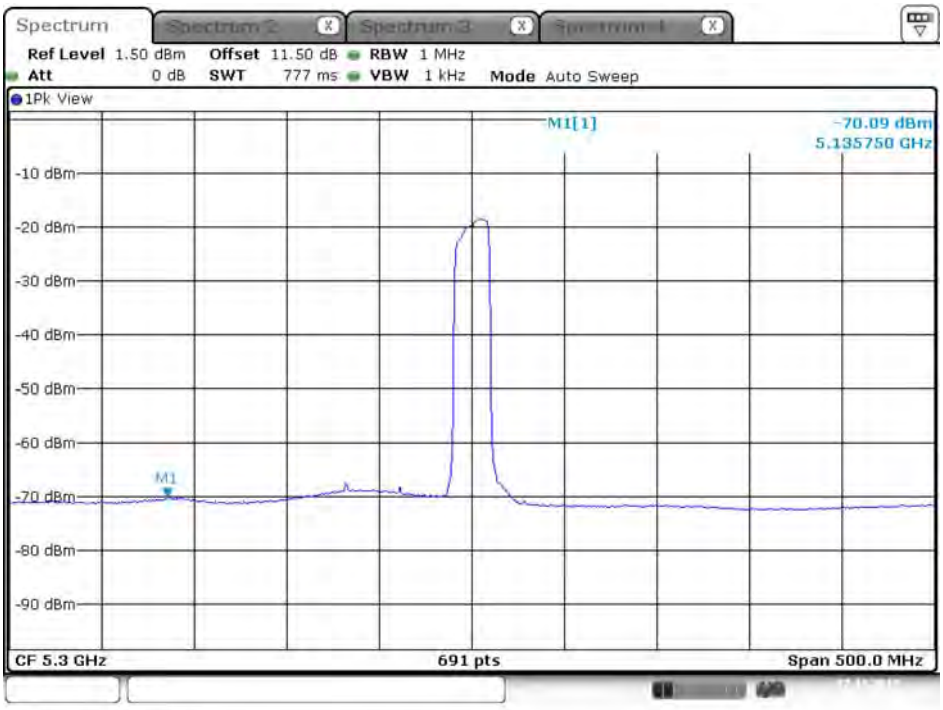
Date: 27.NOV.2017 10:51:41

Plot on Configuration QPSK, 20M / 5260 MHz / Peak / Port 2 (TX2)



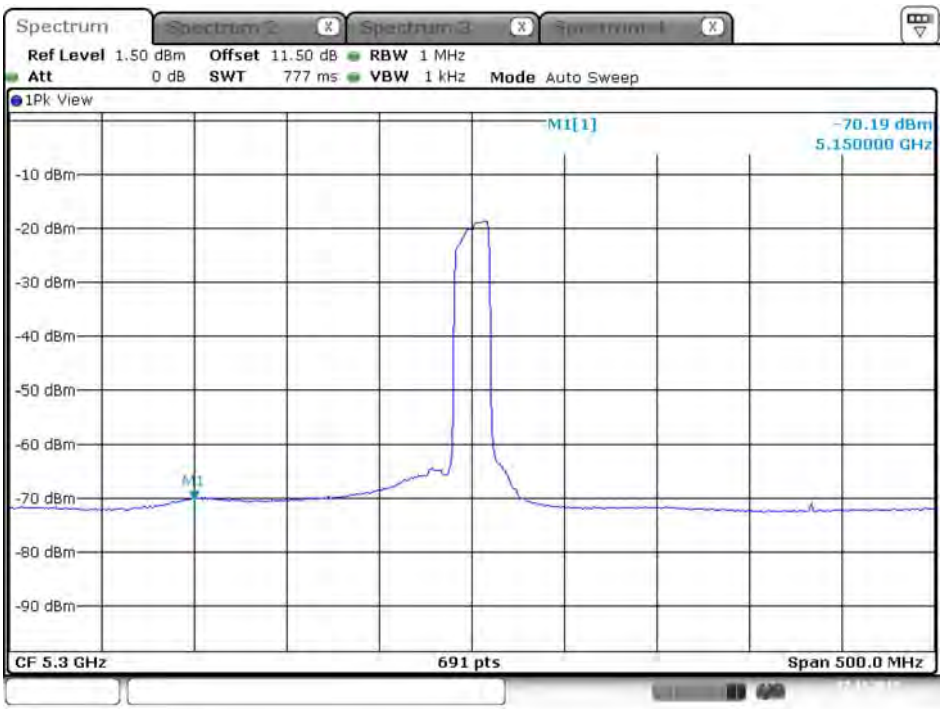
Date: 27.NOV.2017 10:50:29

Plot on Configuration QPSK, 20M / 5300 MHz / Average / Port 1 (TX1)



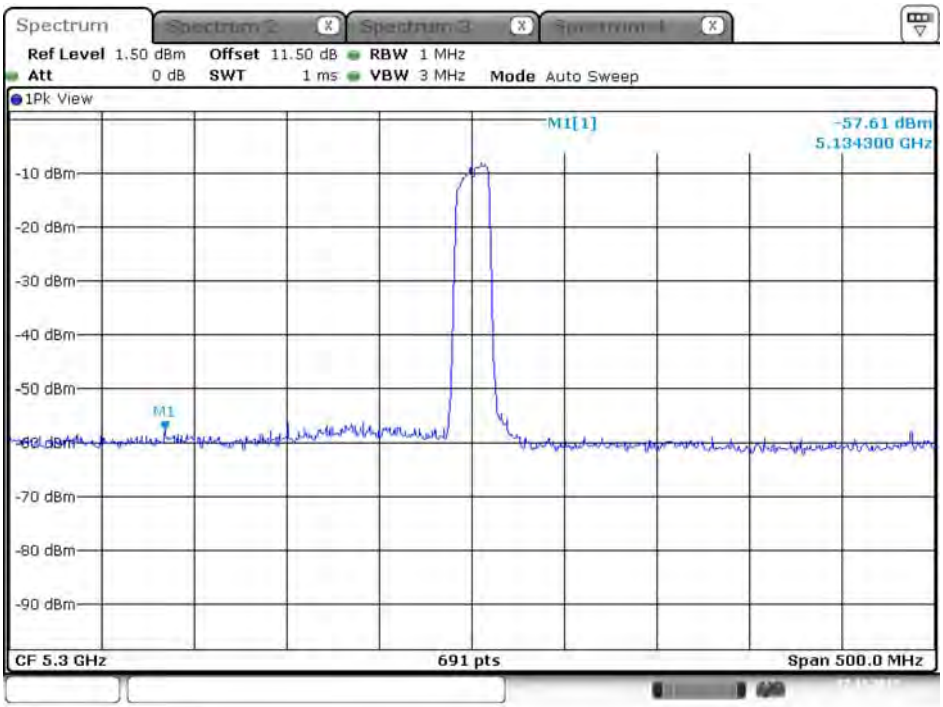
Date: 27.NOV.2017 10:26:50

Plot on Configuration QPSK, 20M / 5300 MHz / Average / Port 2 (TX2)



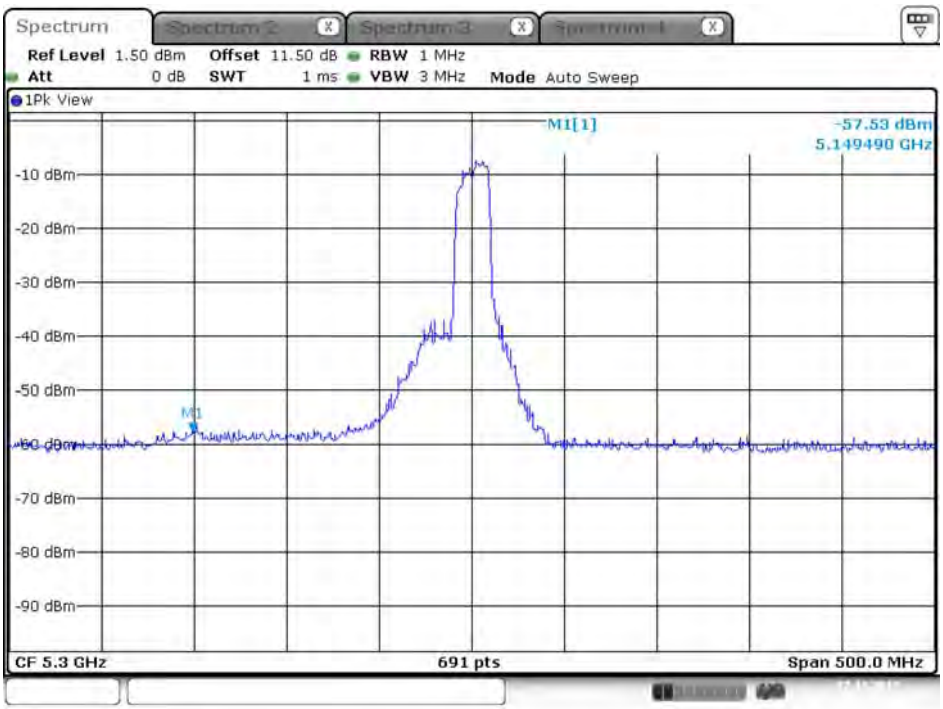
Date: 27.NOV.2017 10:25:33

Plot on Configuration QPSK, 20M / 5300 MHz / Peak / Port 1 (TX1)



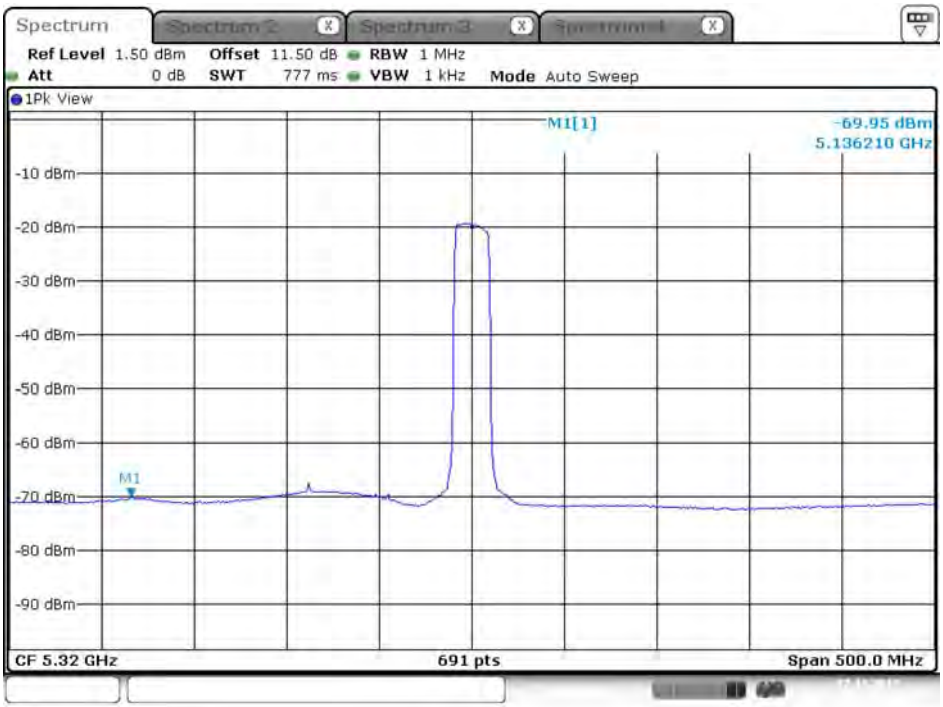
Date: 27.NOV.2017 10:48:22

Plot on Configuration QPSK, 20M / 5300 MHz / Peak / Port 2 (TX2)



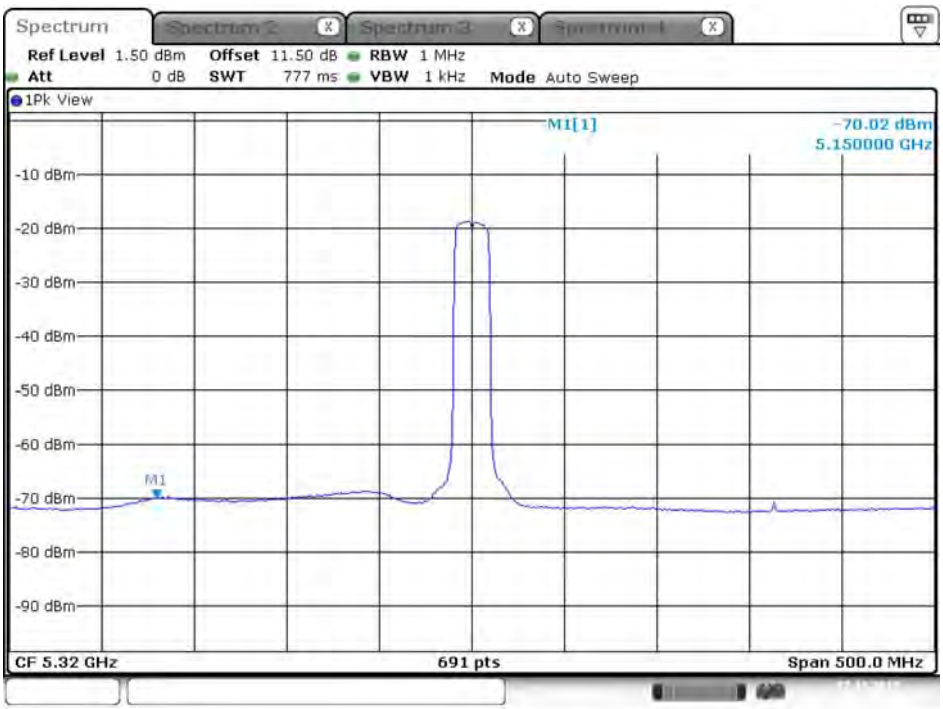
Date: 27.NOV.2017 10:49:19

Plot on Configuration QPSK, 20M / 5320 MHz / Average / Port 1 (TX1)



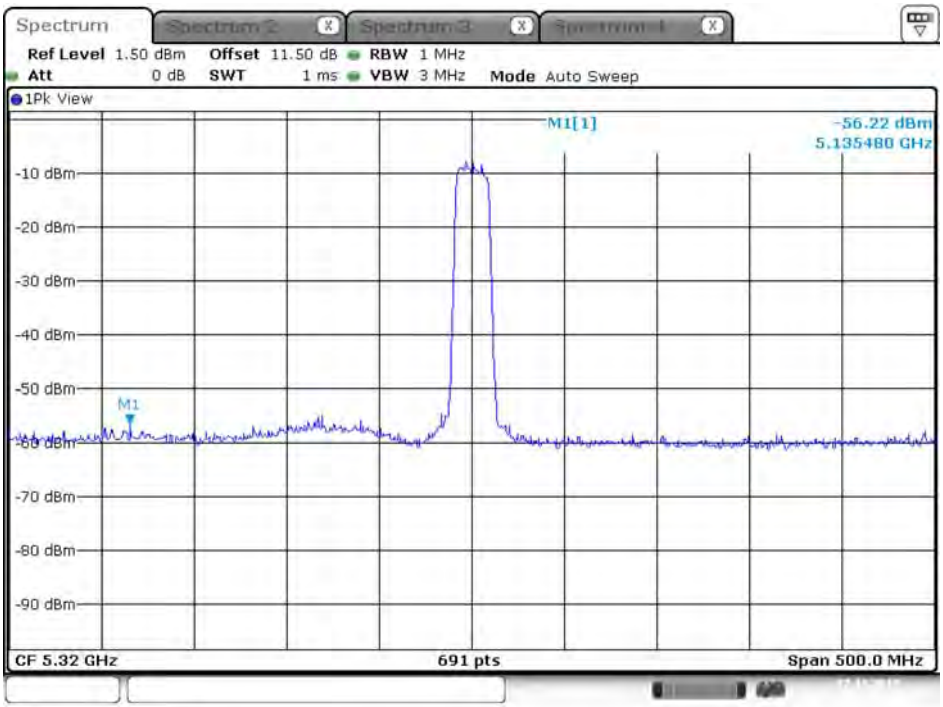
Date: 27.NOV.2017 10:35:01

Plot on Configuration QPSK, 20M / 5320 MHz / Average / Port 2 (TX2)



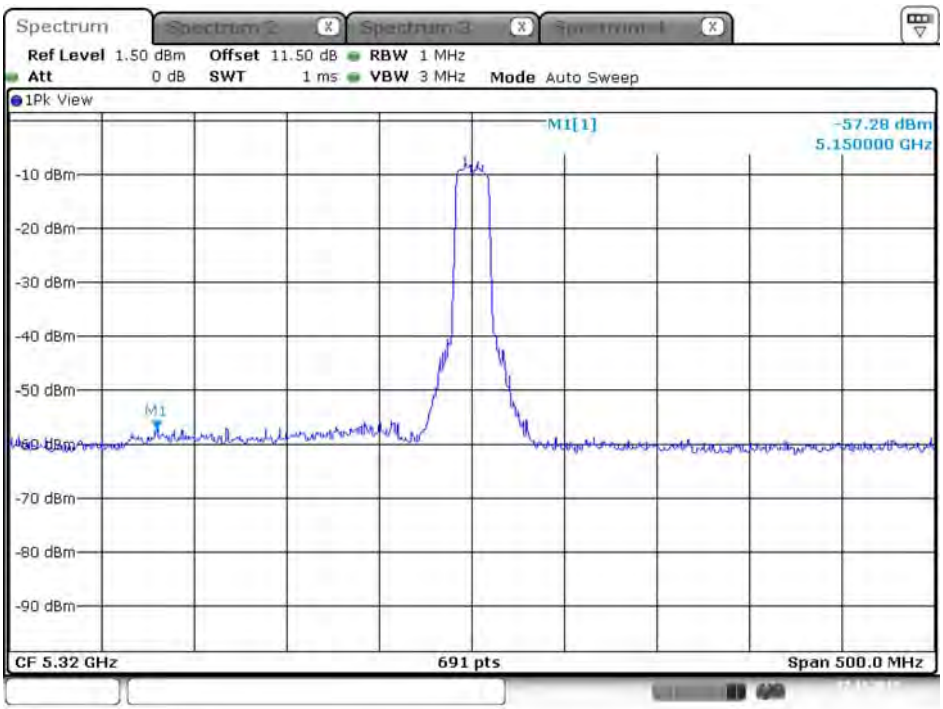
Date: 27.NOV.2017 10:37:40

Plot on Configuration QPSK, 20M / 5320 MHz / Peak / Port 1 (TX1)



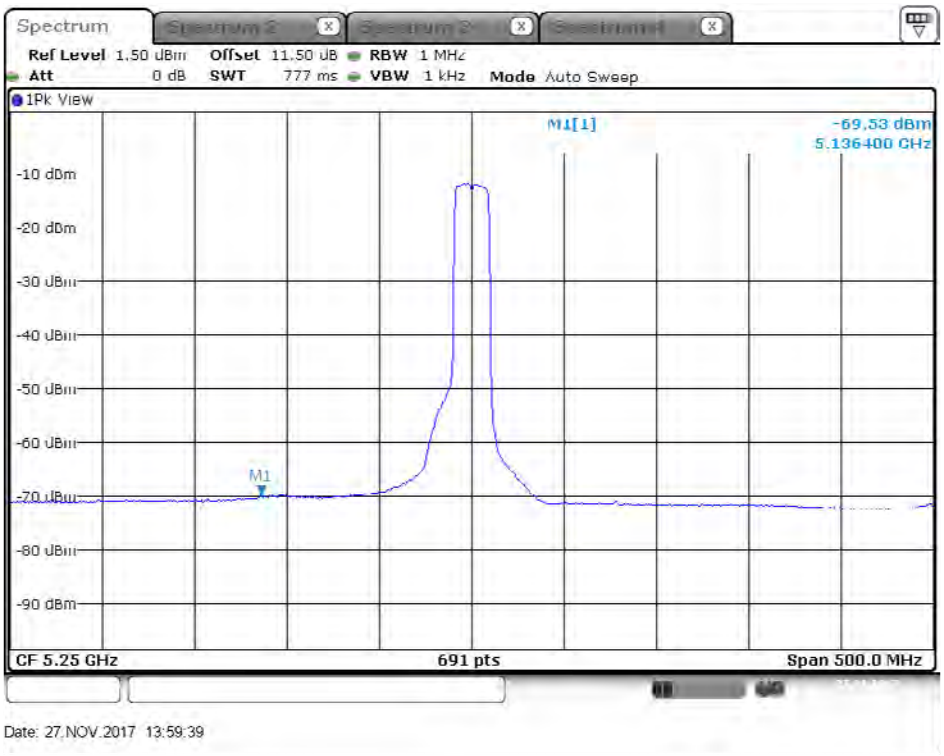
Date: 27.NOV.2017 10:41:40

Plot on Configuration QPSK, 20M / 5320 MHz / Peak / Port 2 (TX2)

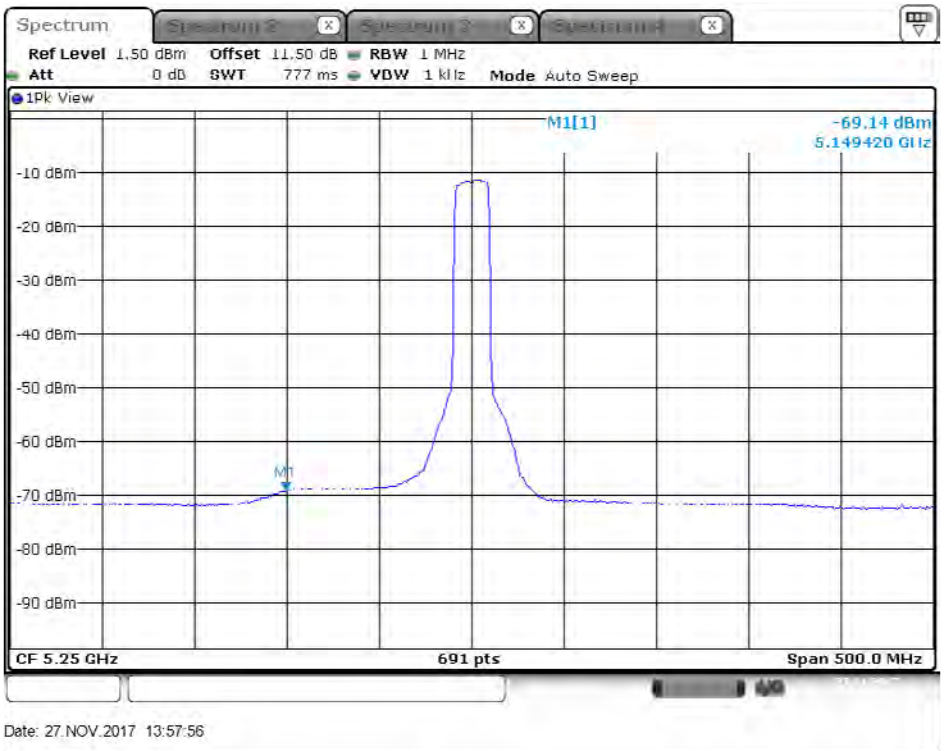


Date: 27.NOV.2017 10:40:28

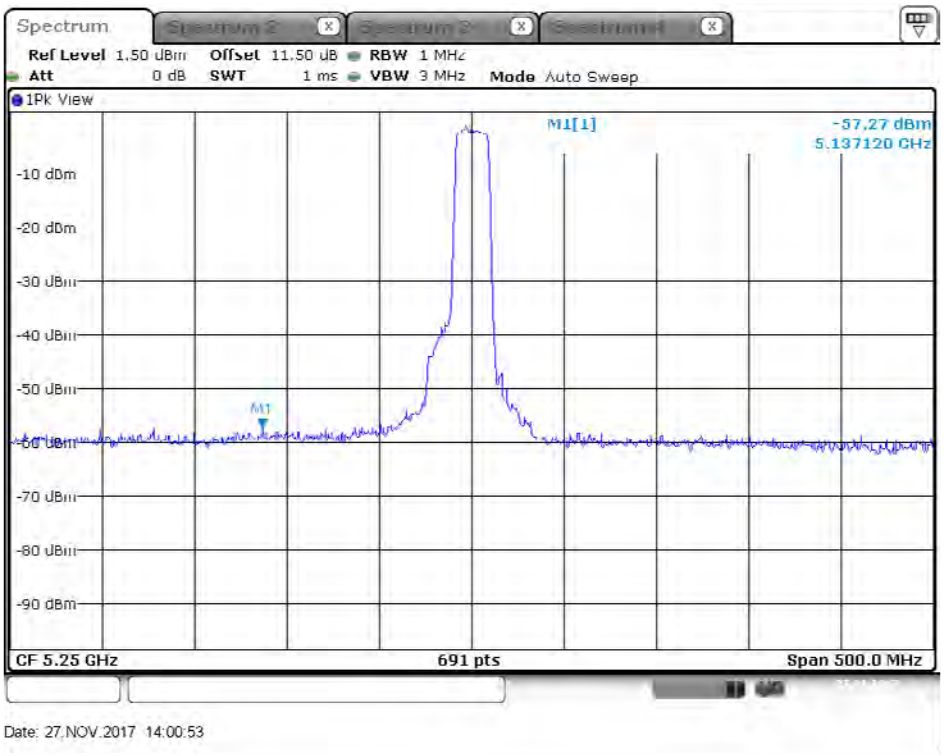
Plot on Configuration QPSK, 20M / 5250 MHz / Average / Port 1 (TX1)



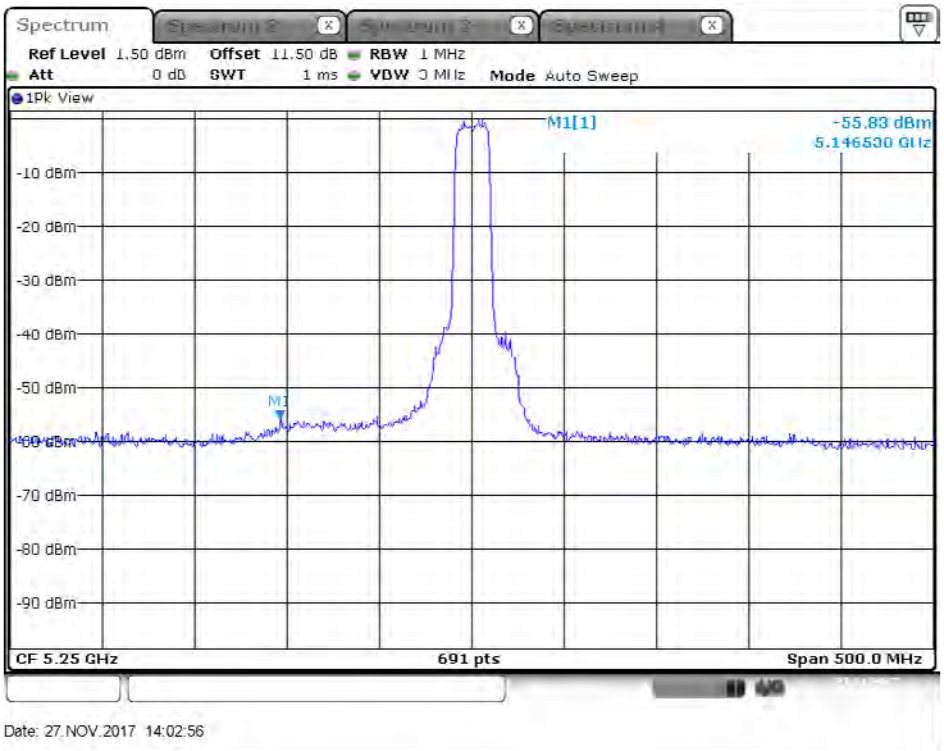
Plot on Configuration QPSK, 20M / 5250 MHz / Average / Port 2 (TX2)



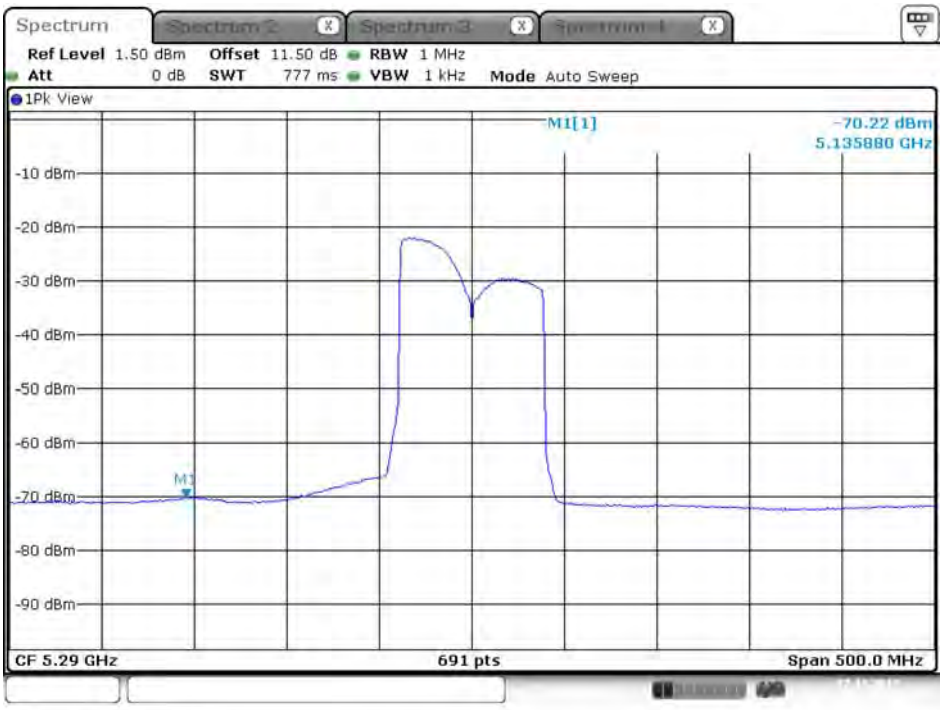
Plot on Configuration QPSK, 20M / 5250 MHz / Peak / Port 1 (TX1)



Plot on Configuration QPSK, 20M / 5250 MHz / Peak / Port 2 (TX2)

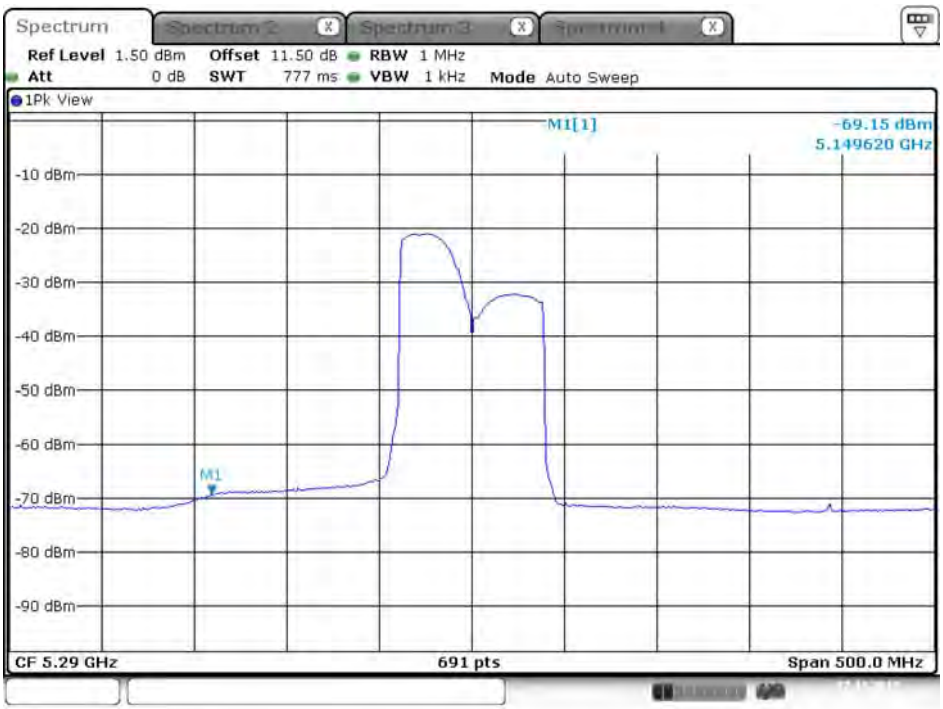


Plot on Configuration QPSK, 80M / 5290 MHz / Average / Port 1 (TX1)



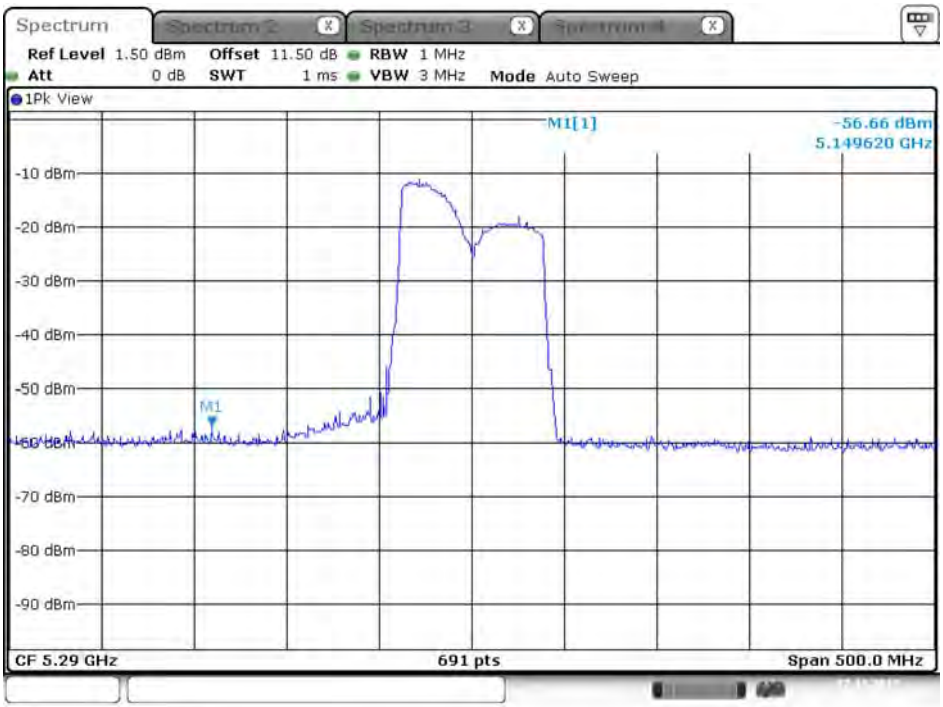
Date: 27.NOV.2017 10:57:15

Plot on Configuration QPSK, 80M / 5290 MHz / Average / Port 2 (TX2)



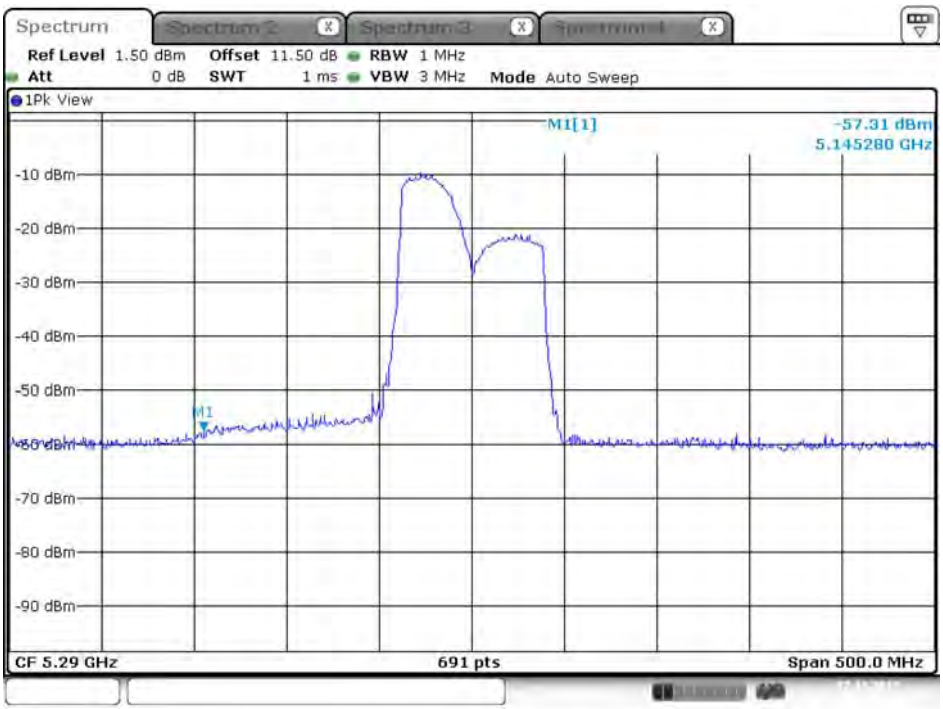
Date: 27.NOV.2017 10:56:05

Plot on Configuration QPSK, 80M / 5290 MHz / Peak / Port 1 (TX1)



Date: 27.NOV.2017 10:58:43

Plot on Configuration QPSK, 80M / 5290 MHz / Peak / Port 2 (TX2)

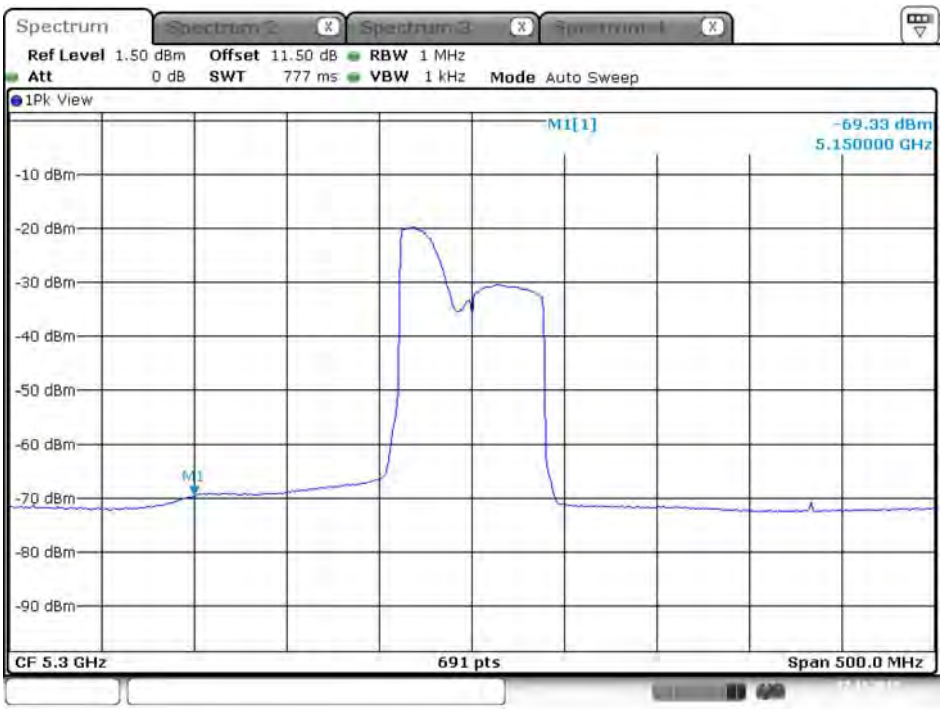


Date: 27.NOV.2017 11:00:16

Plot on Configuration QPSK, 80M / 5300 MHz / Average / Port 1 (TX1)

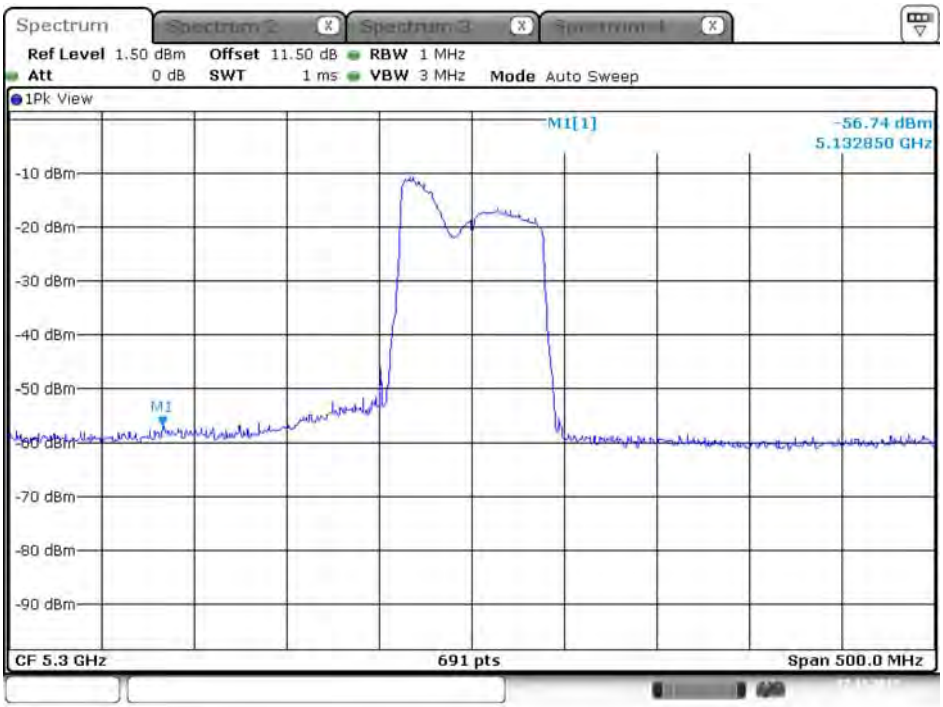
Date: 27.NOV.2017 11:05:59

Plot on Configuration QPSK, 80M / 5300 MHz / Average / Port 2 (TX2)



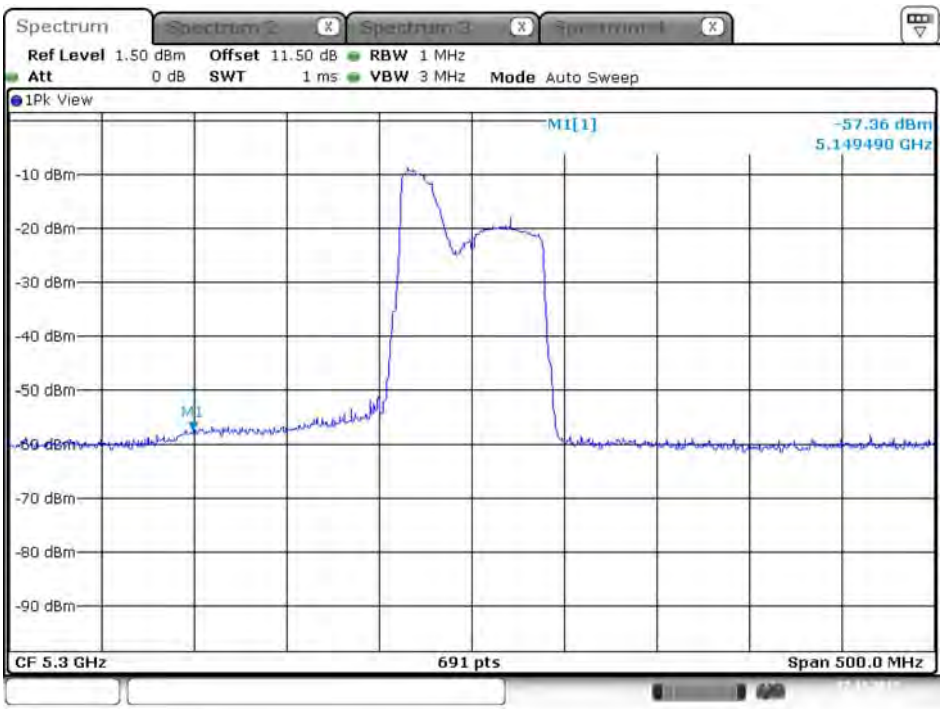
Date: 27.NOV.2017 11:04:10

Plot on Configuration QPSK, 80M / 5300 MHz / Peak / Port 1 (TX1)



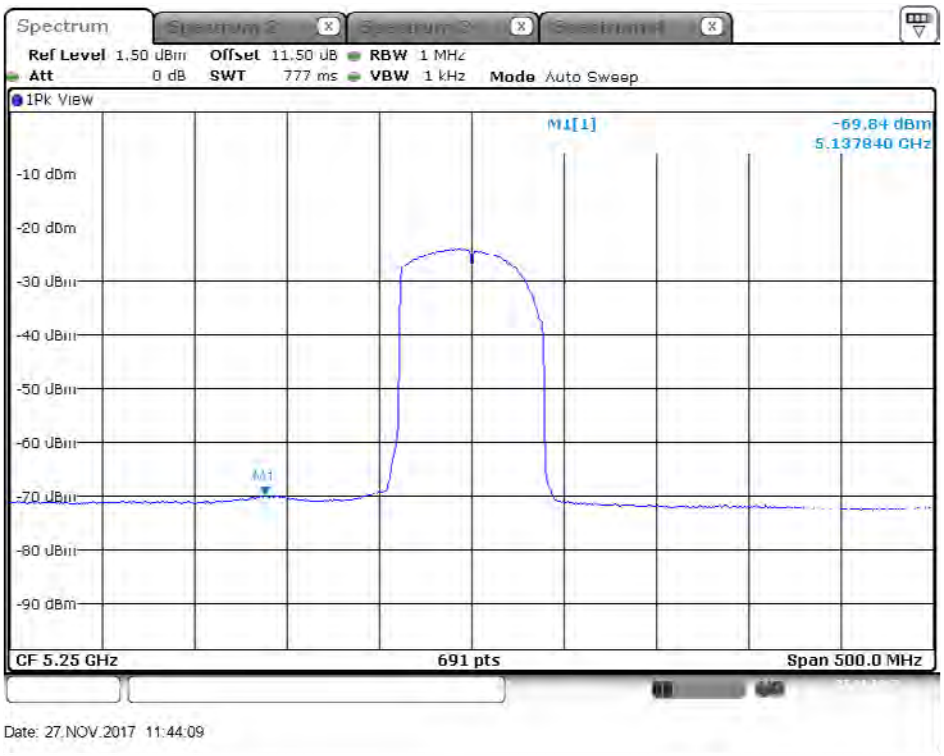
Date: 27.NOV.2017 11:08:03

Plot on Configuration QPSK, 80M / 5300 MHz / Peak / Port 2 (TX2)



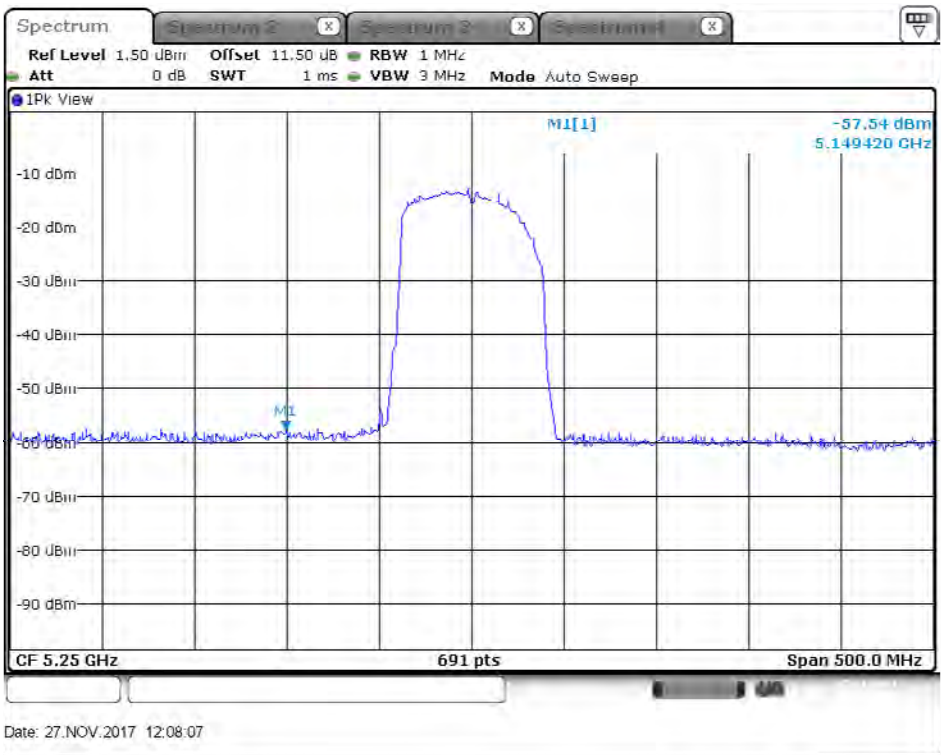
Date: 27.NOV.2017 11:09:13

Plot on Configuration QPSK, 80M / 5250 MHz / Average / Port 1 (TX1)

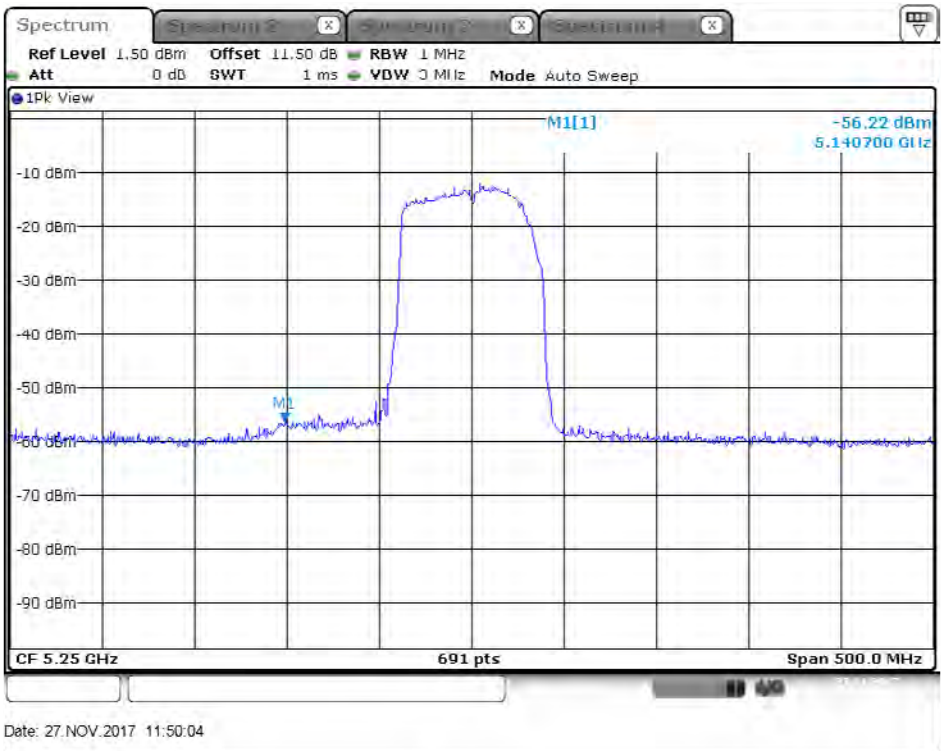


Plot on Configuration QPSK, 80M / 5250 MHz / Average / Port 2 (TX2)

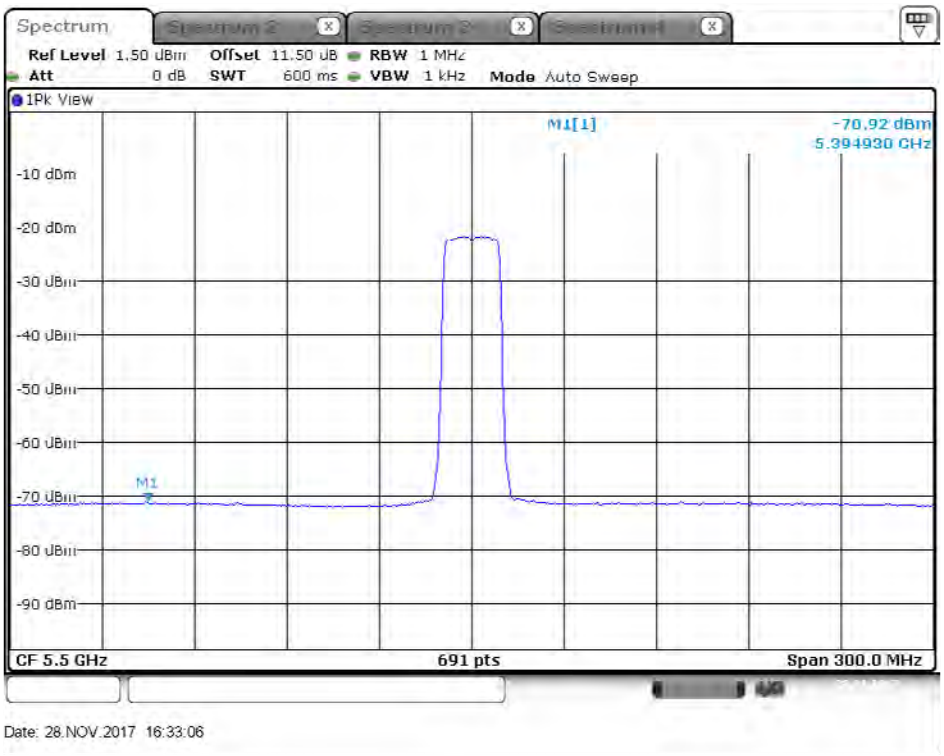
Plot on Configuration QPSK, 80M / 5250 MHz / Peak / Port 1 (TX1)



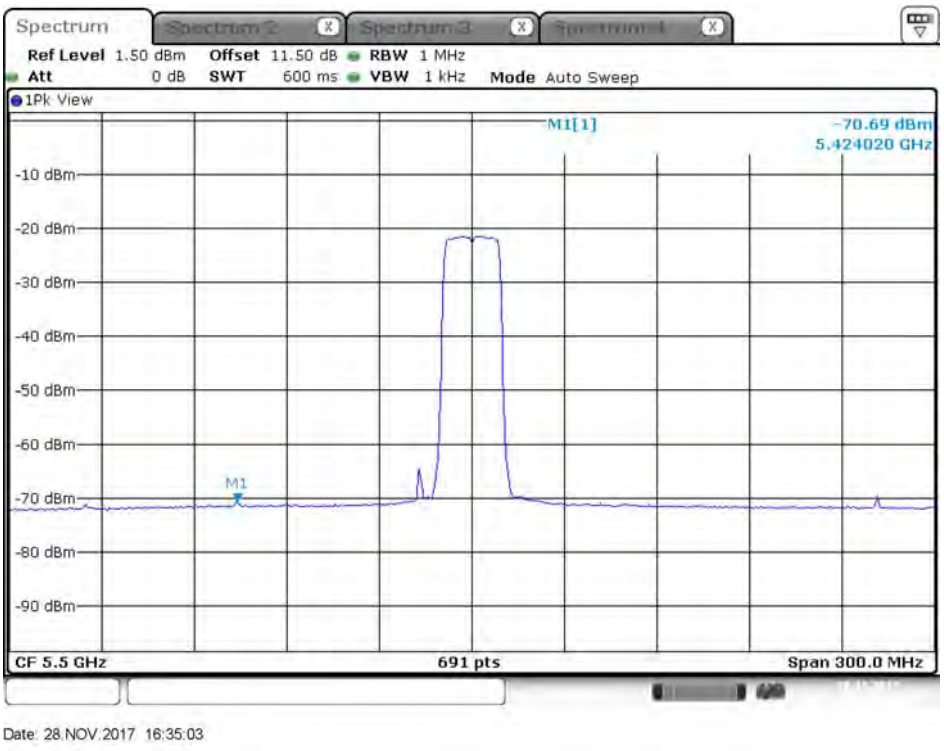
Plot on Configuration QPSK, 80M / 5250 MHz / Peak / Port 2 (TX2)



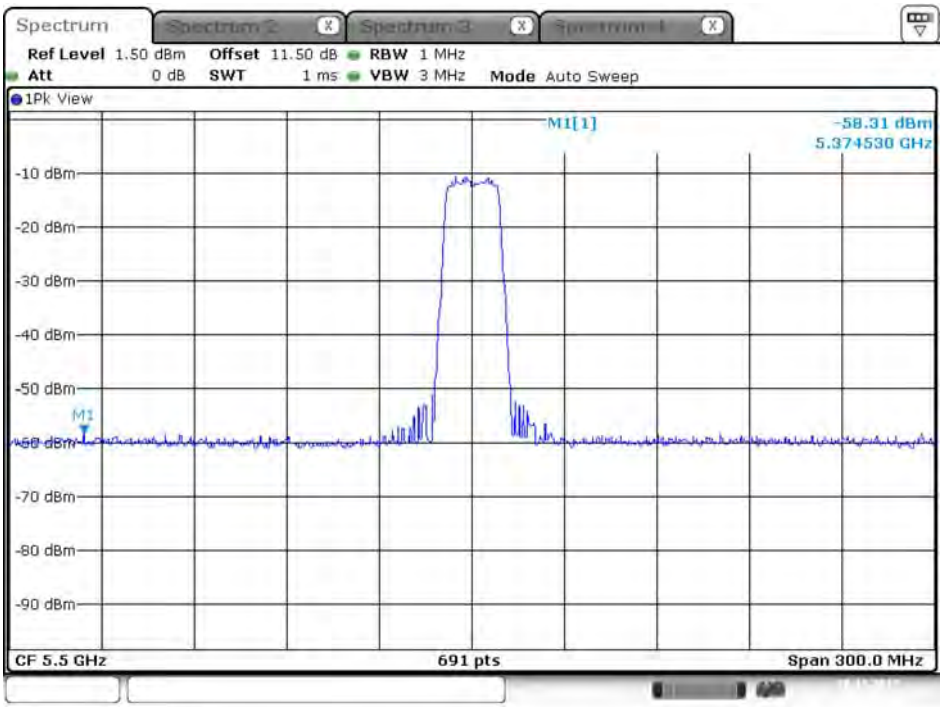
Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 1 (TX1)



Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 2 (TX2)

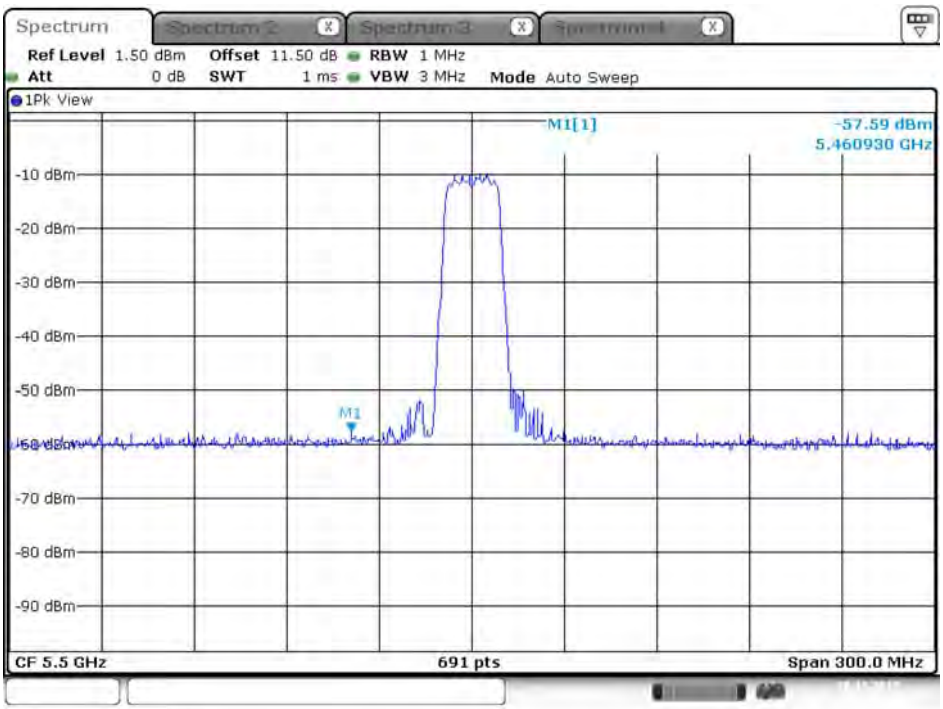


Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 1 (TX1)



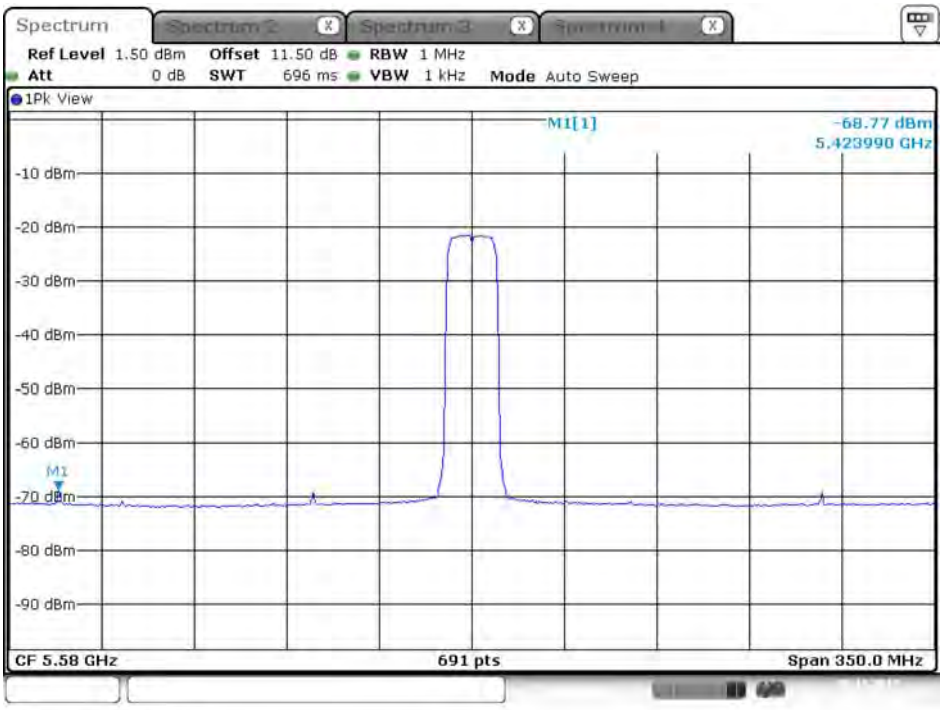
Date: 28.NOV.2017 16:33:30

Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 2 (TX2)



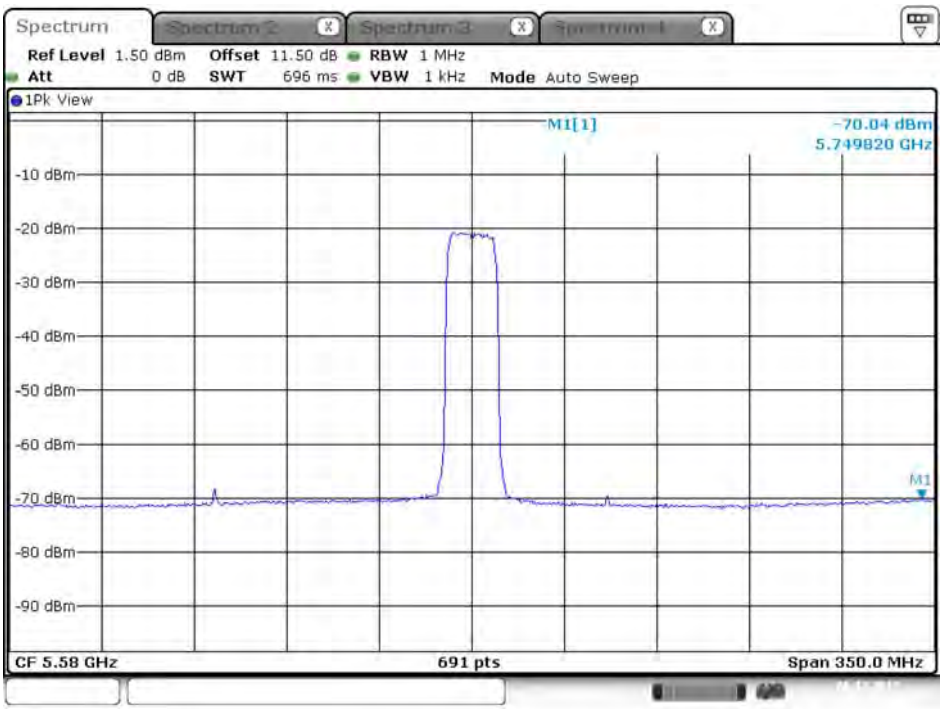
Date: 28.NOV.2017 16:34:38

Plot on Configuration QPSK, 20M / 5580 MHz / Average / Port 1 (TX1)



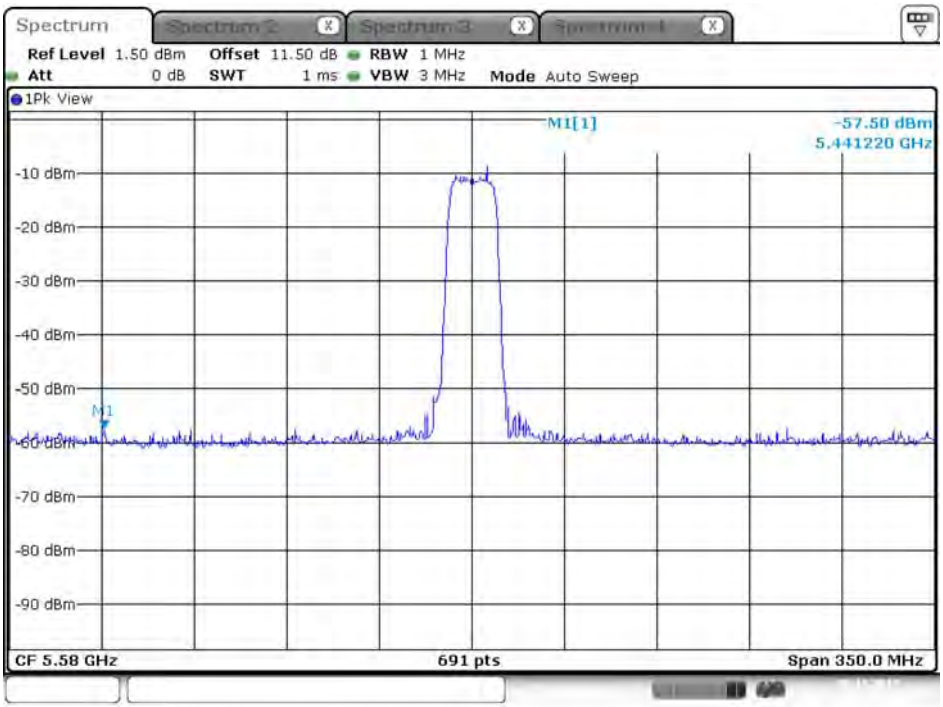
Date: 28.NOV.2017 16:10:47

Plot on Configuration QPSK, 20M / 5580 MHz / Average / Port 2 (TX2)



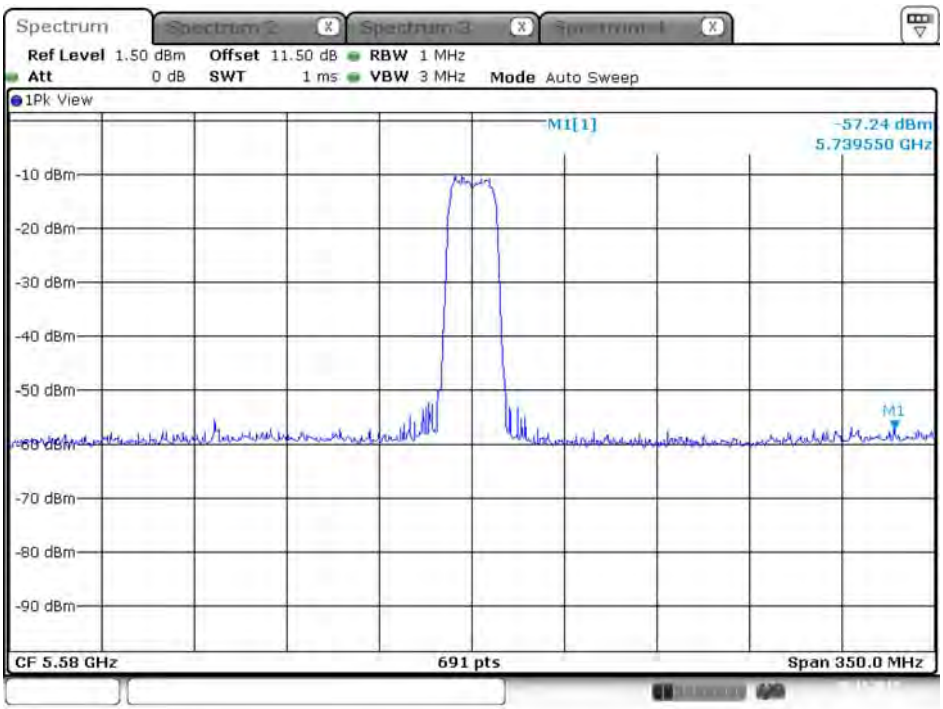
Date: 6.DEC.2017 11:27:04

Plot on Configuration QPSK, 20M / 5580 MHz / Peak / Port 1 (TX1)



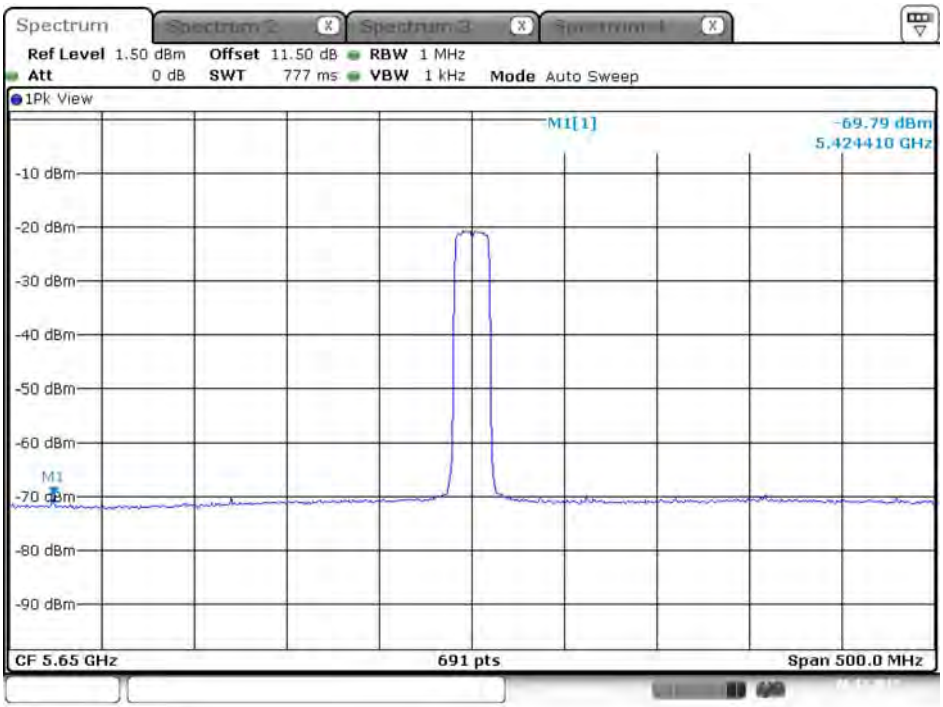
Date: 28.NOV.2017 16:10:23

Plot on Configuration QPSK, 20M / 5580 MHz / Peak / Port 2 (TX2)



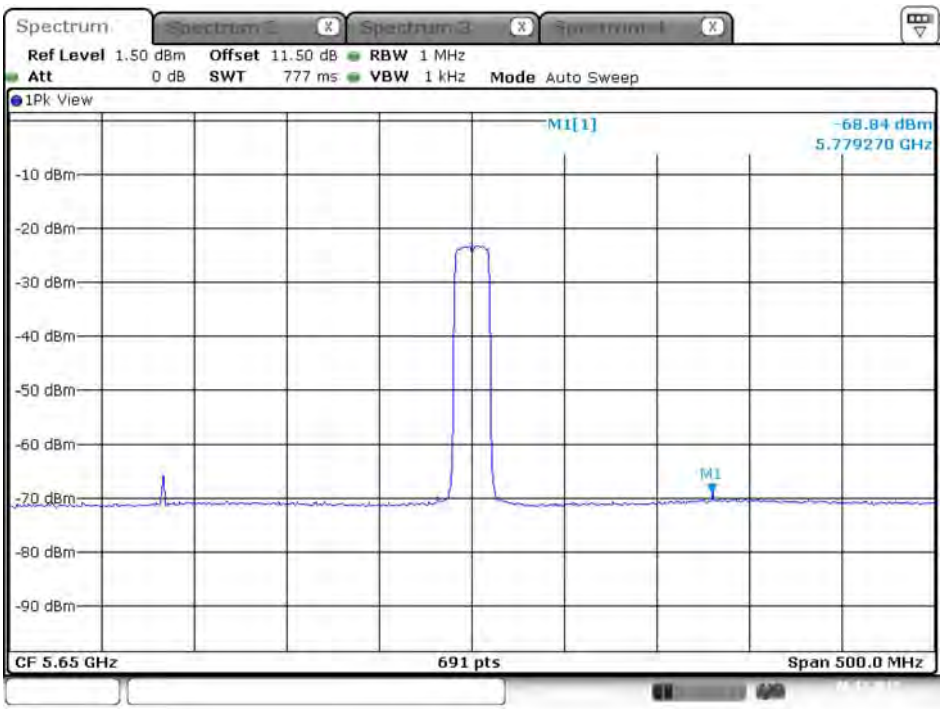
Date: 28.NOV.2017 16:08:56

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 1 (TX1)



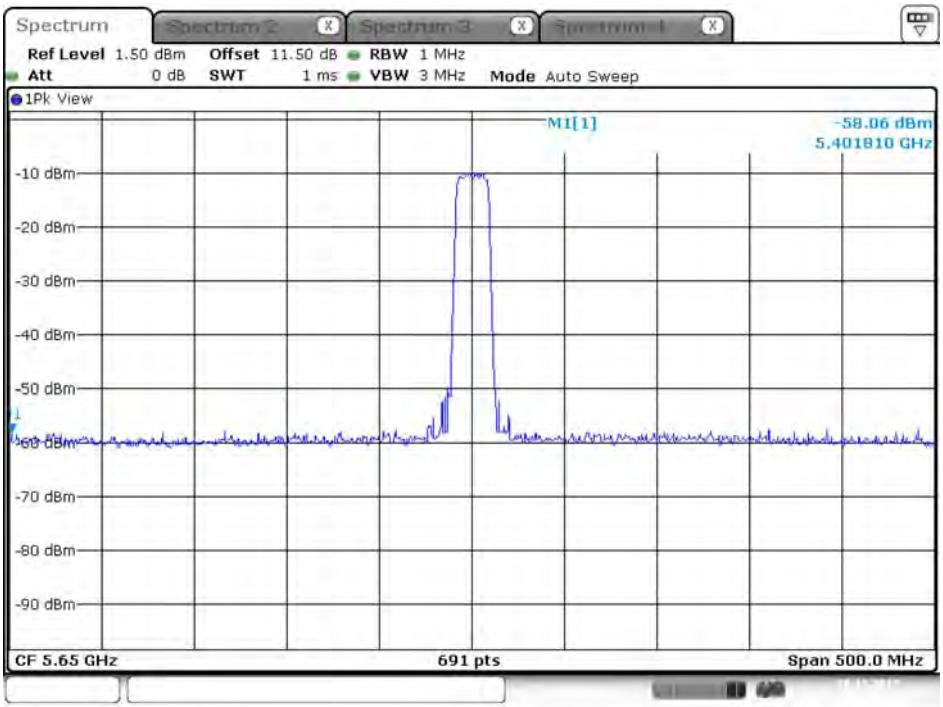
Date: 6.DEC.2017 11:45:02

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 2 (TX2)



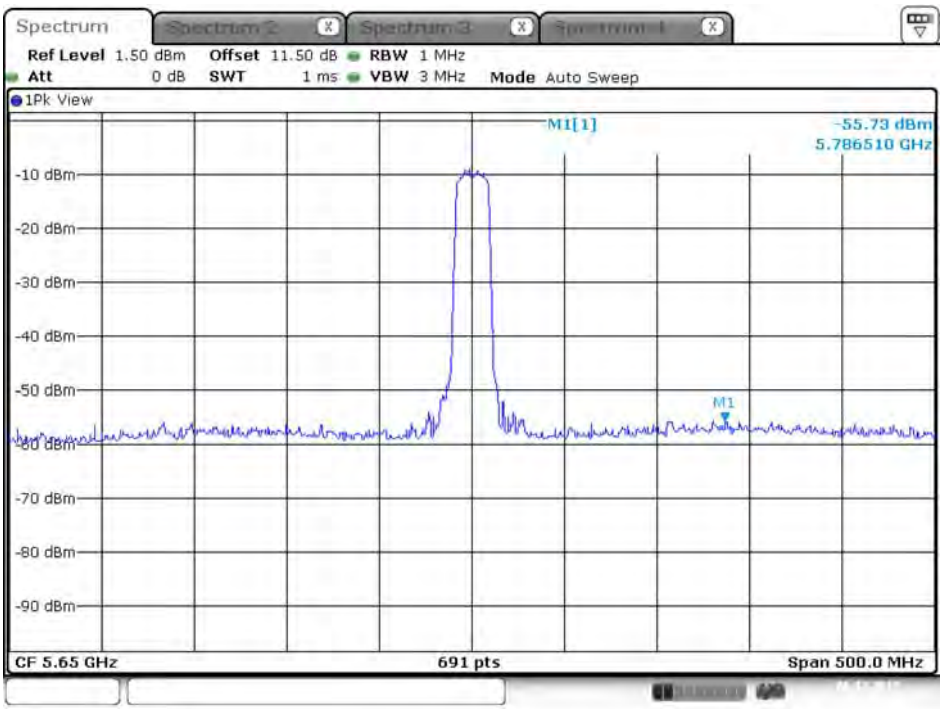
Date: 6.DEC.2017 11:42:59

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 1 (TX1)



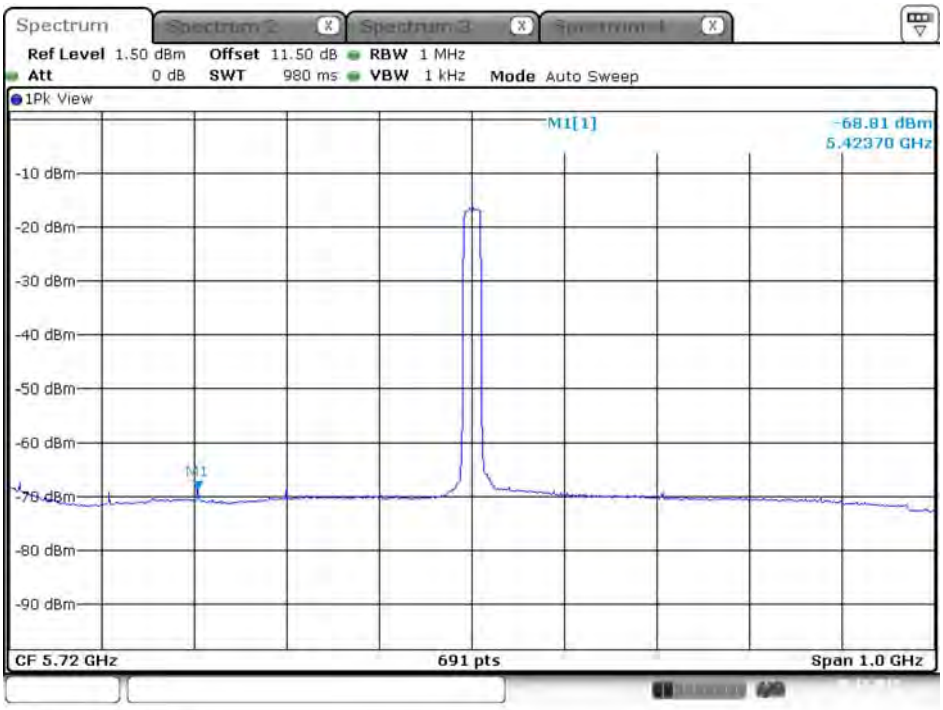
Date: 28.NOV.2017 17:11:12

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 2 (TX2)



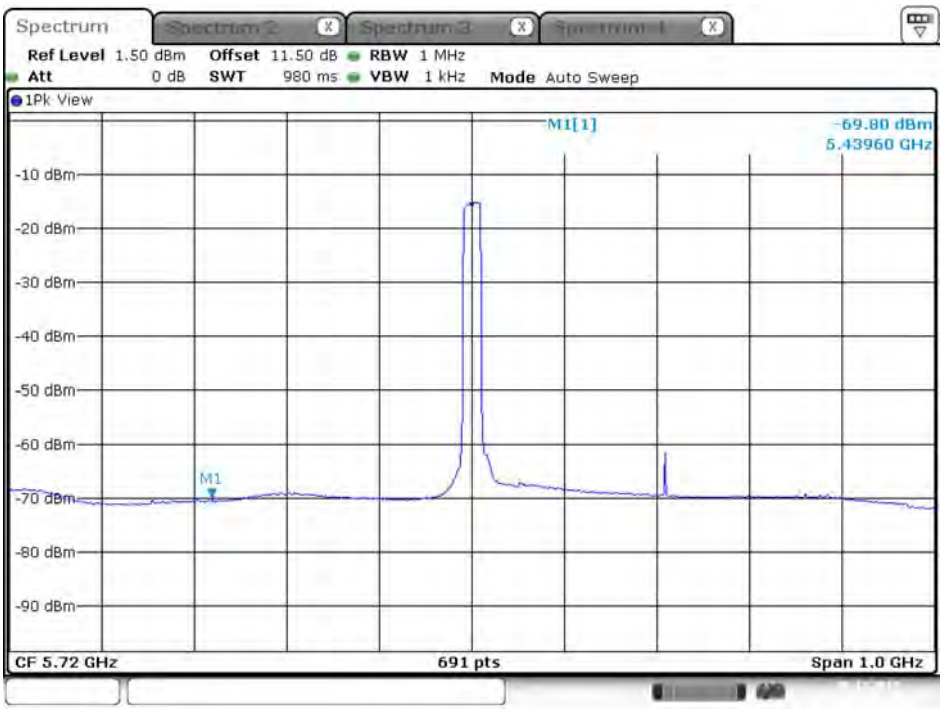
Date: 6.DEC.2017 11:48:35

Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 1 (TX1)



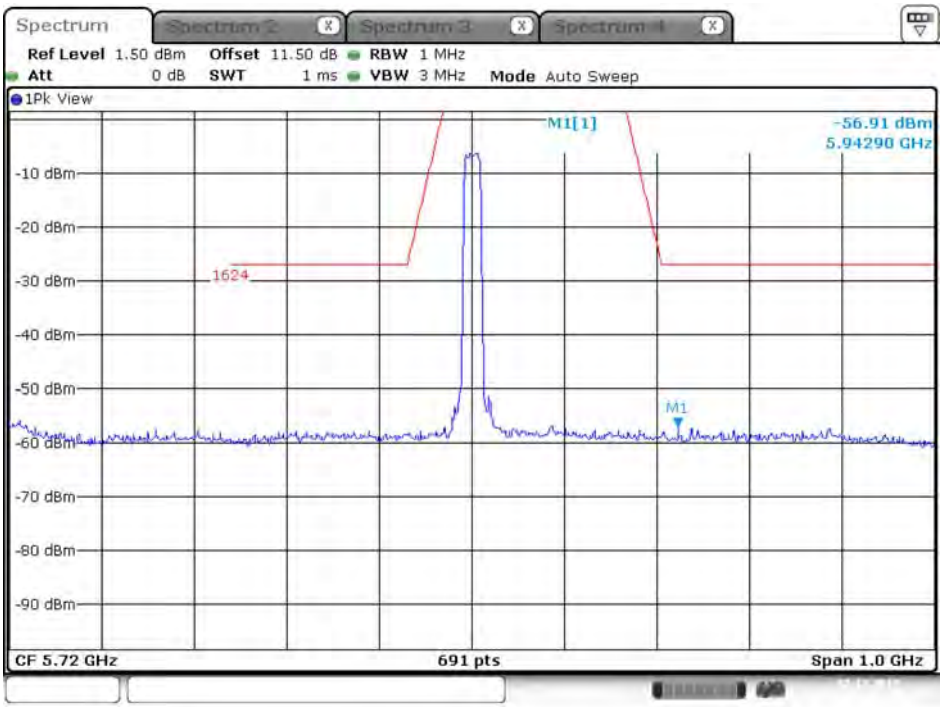
Date: 5.DEC.2017 18:01:51

Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 2 (TX2)



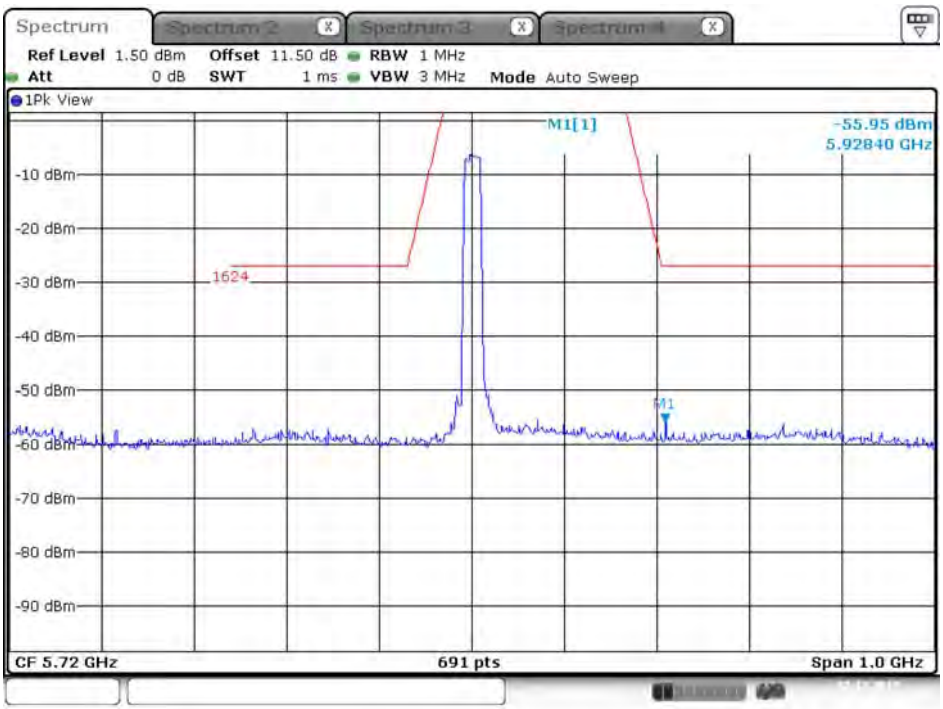
Date: 5.DEC.2017 17:54:12

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 1 (TX1)



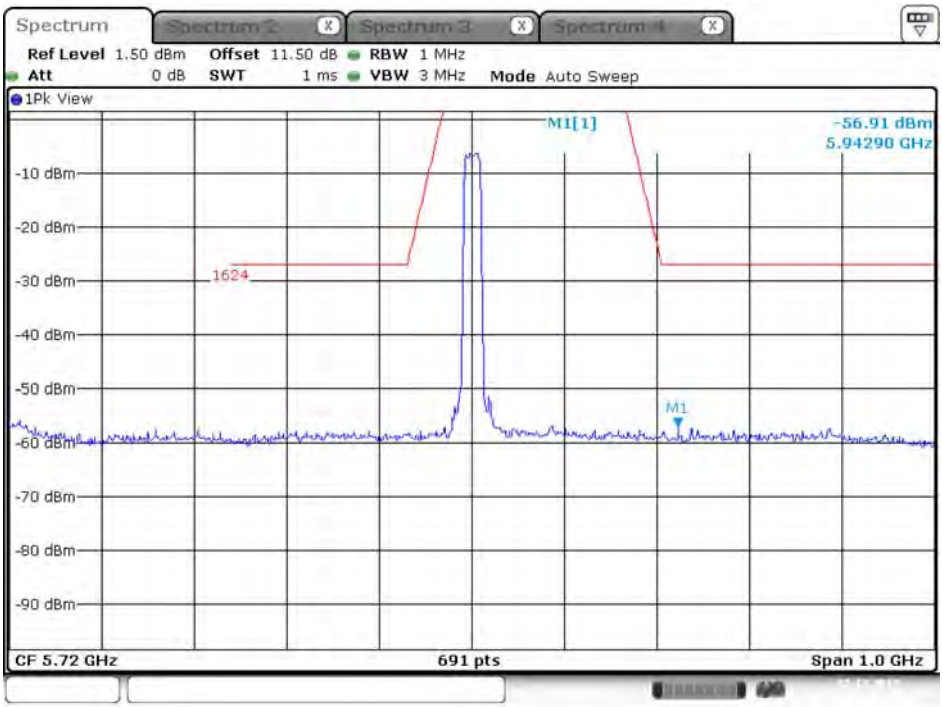
Date: 7.DEC.2017 19:54:51

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 2 (TX2)



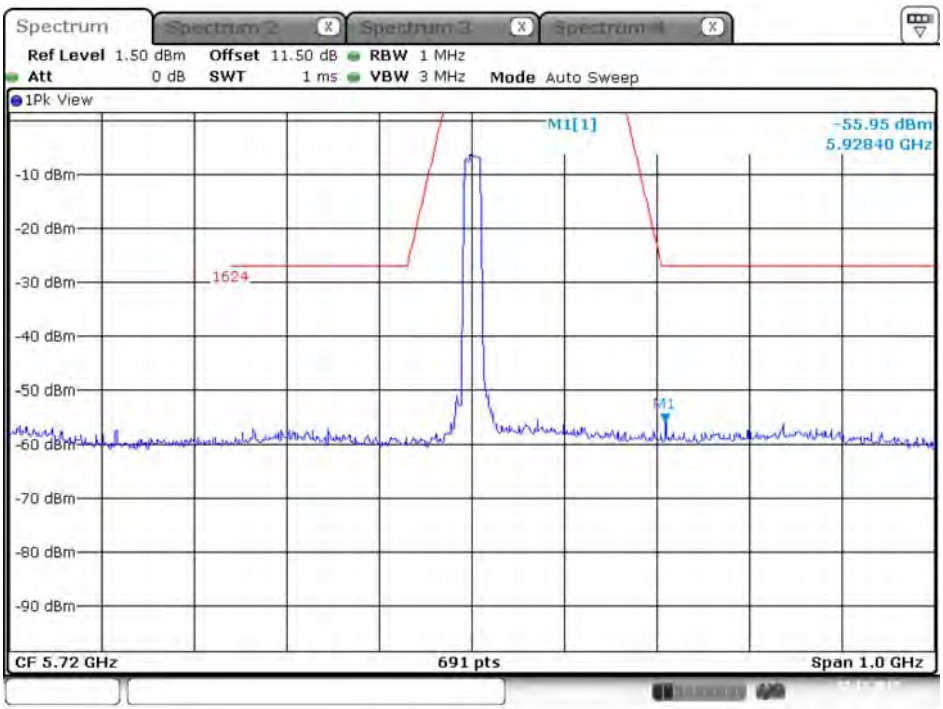
Date: 7.DEC.2017 19:56:01

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 1 (TX1)_Emission in Non-restriction band



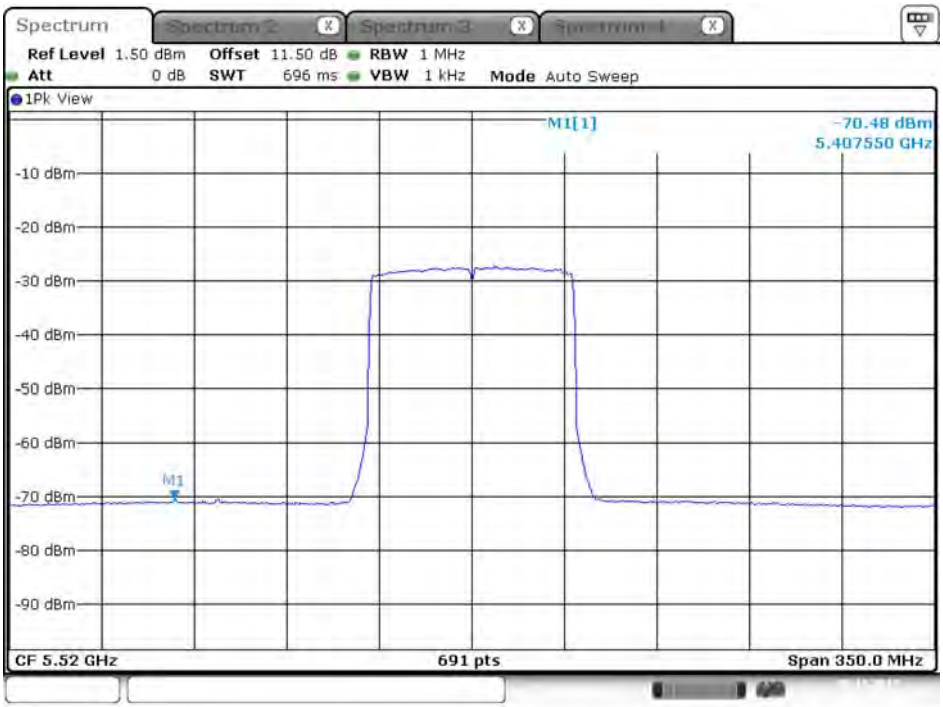
Date: 7.DEC.2017 19:54:51

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 2 (TX2) _Emission in Non-restriction band



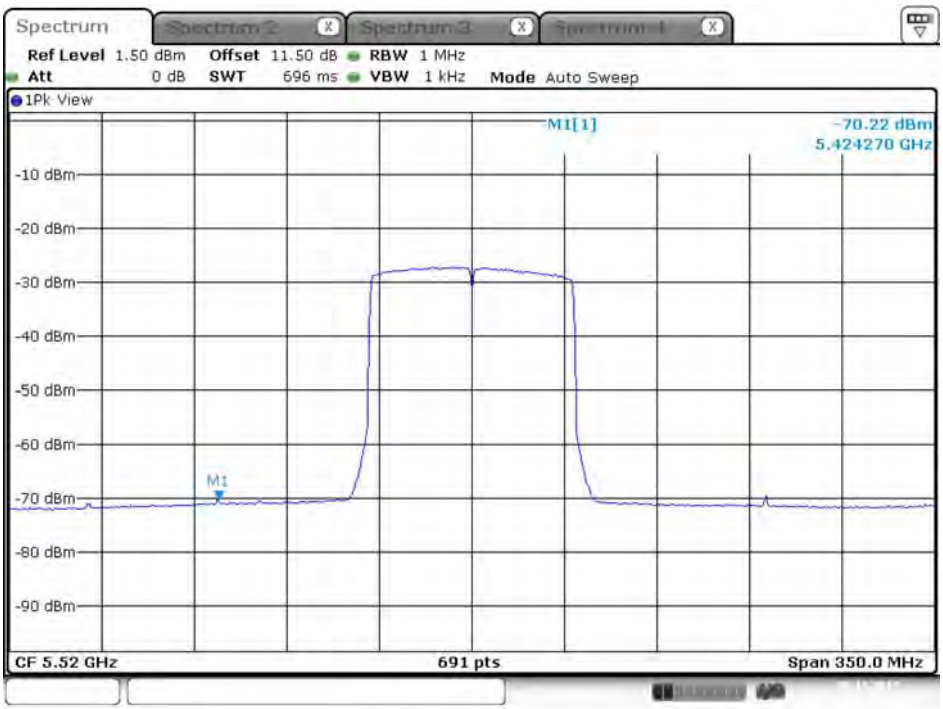
Date: 7.DEC.2017 19:56:01

Plot on Configuration QPSK, 80M / 5520 MHz / Average / Port 1 (TX1)



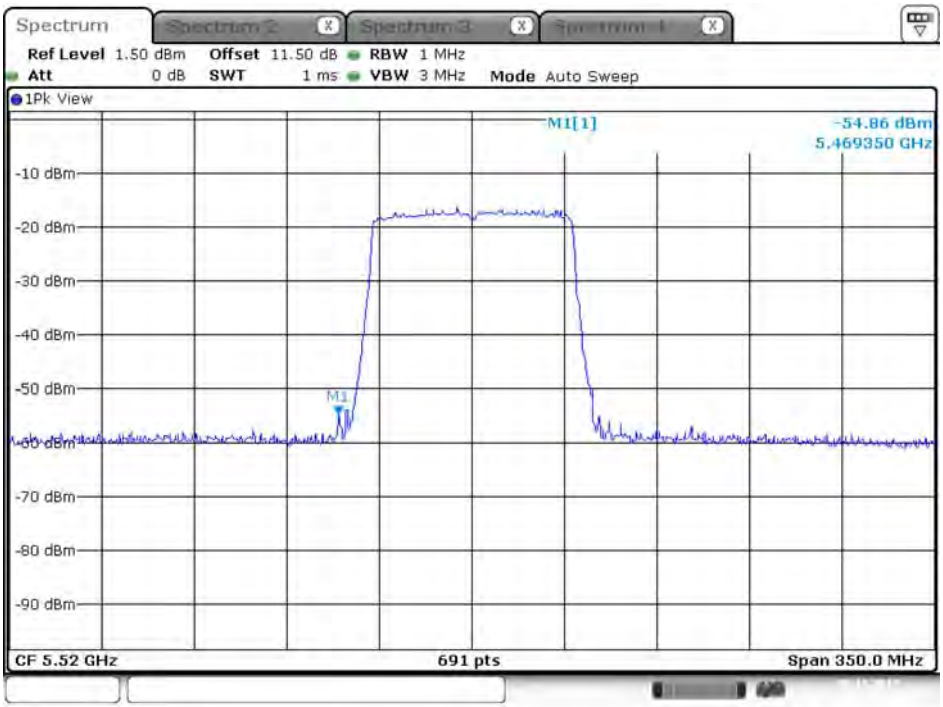
Date: 28.NOV.2017 17:37:58

Plot on Configuration QPSK, 80M / 5520 MHz / Average / Port 2 (TX2)



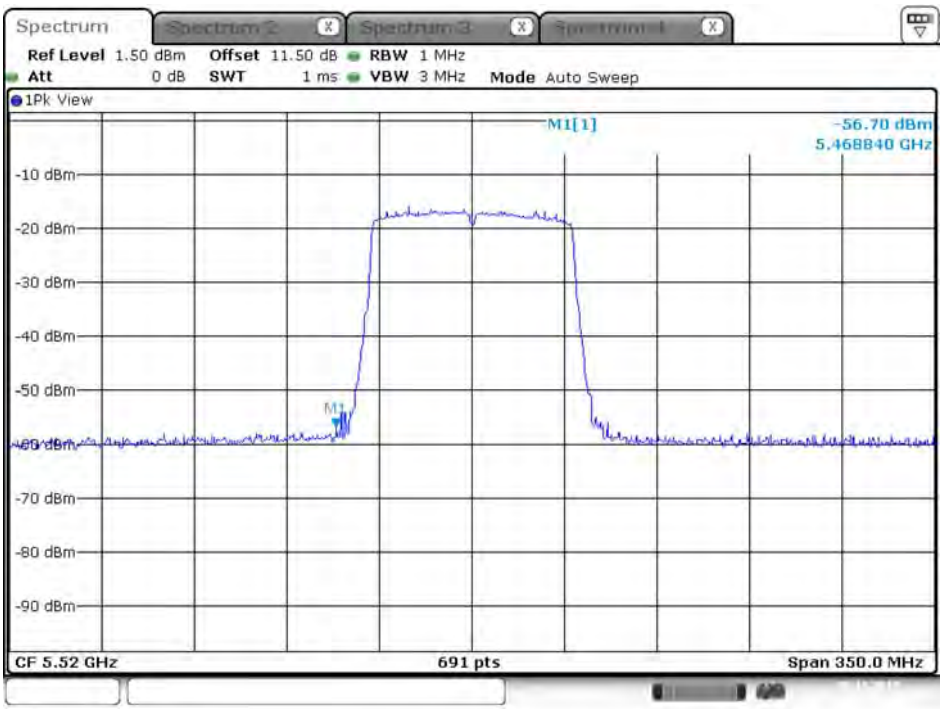
Date: 28.NOV.2017 17:39:45

Plot on Configuration QPSK, 80M / 5520 MHz / Peak / Port 1 (TX1)



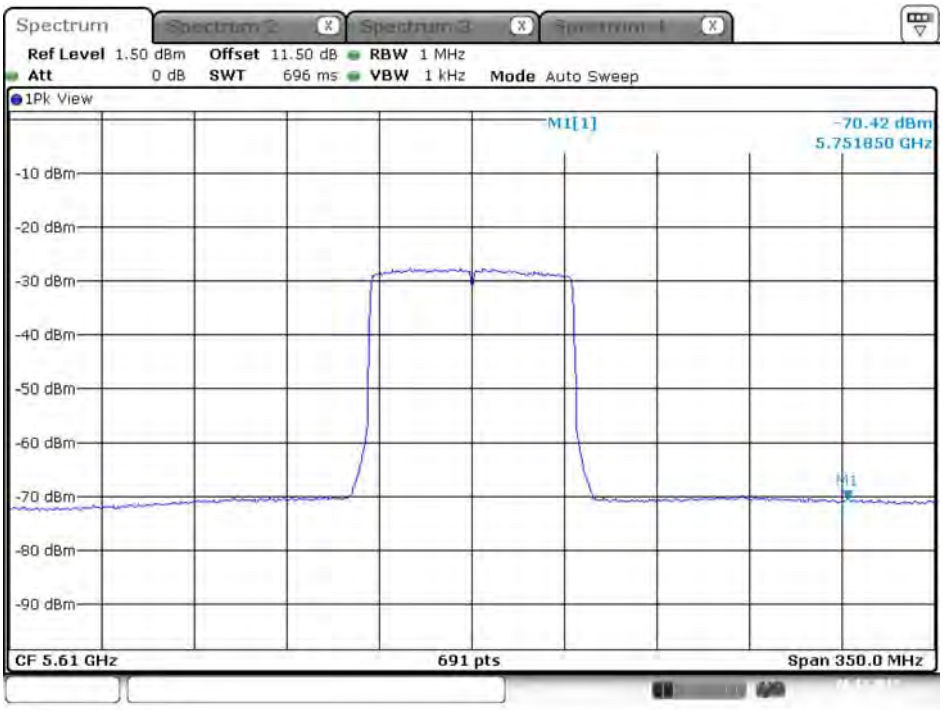
Date: 28.NOV.2017 17:38:23

Plot on Configuration QPSK, 80M / 5520 MHz / Peak / Port 2 (TX2)



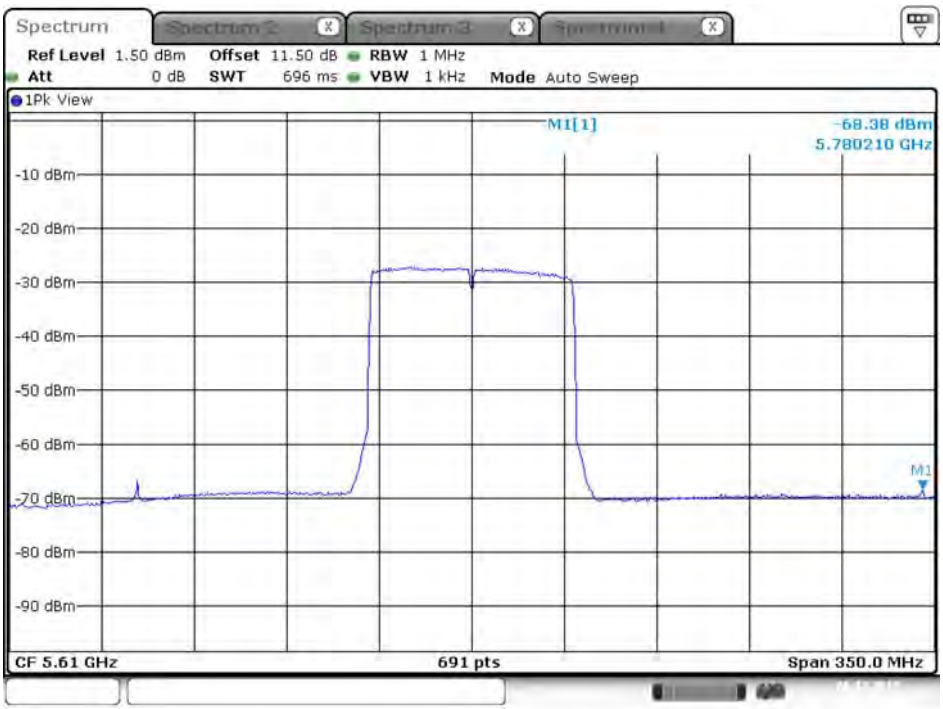
Date: 28.NOV.2017 17:39:15

Plot on Configuration QPSK, 80M / 5610 MHz / Average / Port 1 (TX1)



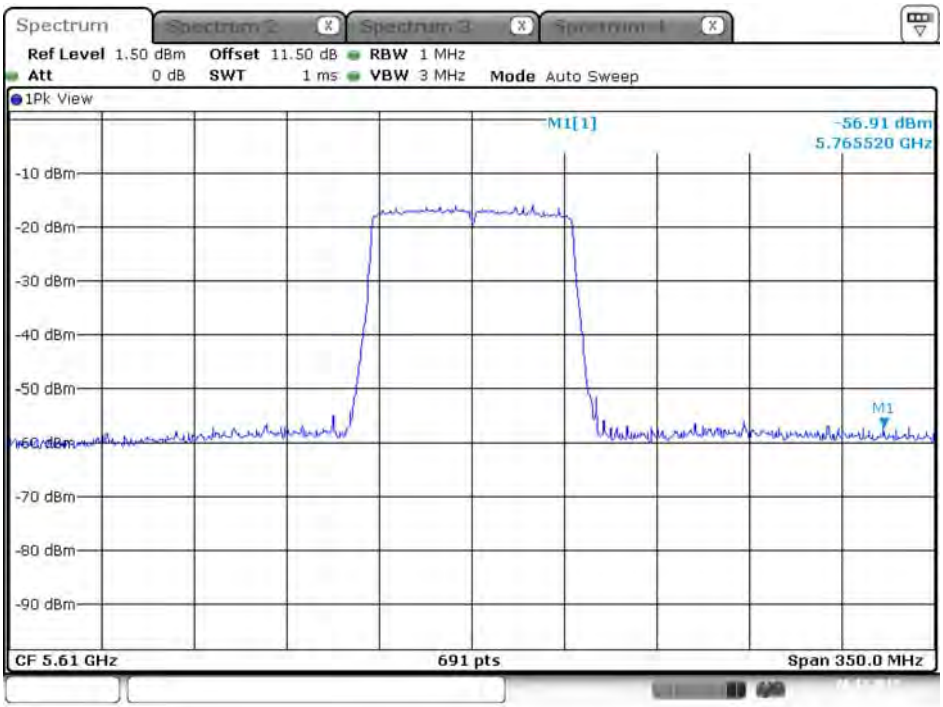
Date: 6.DEC.2017 12:02:47

Plot on Configuration QPSK, 80M / 5610 MHz / Average / Port 2 (TX2)



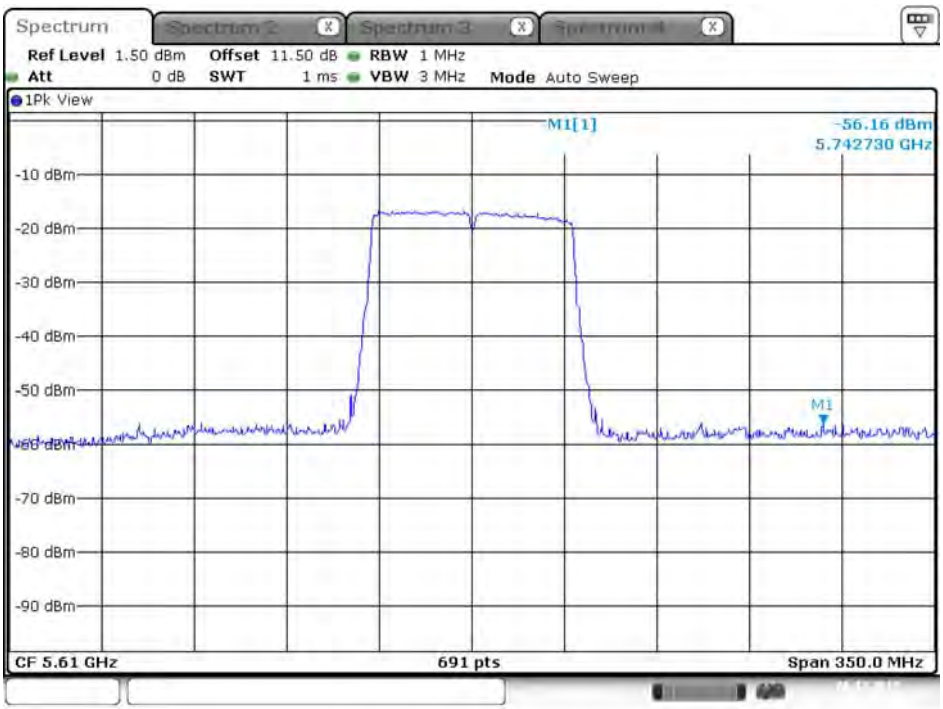
Date: 6.DEC.2017 12:04:49

Plot on Configuration QPSK, 80M / 5610 MHz / Peak / Port 1 (TX1)



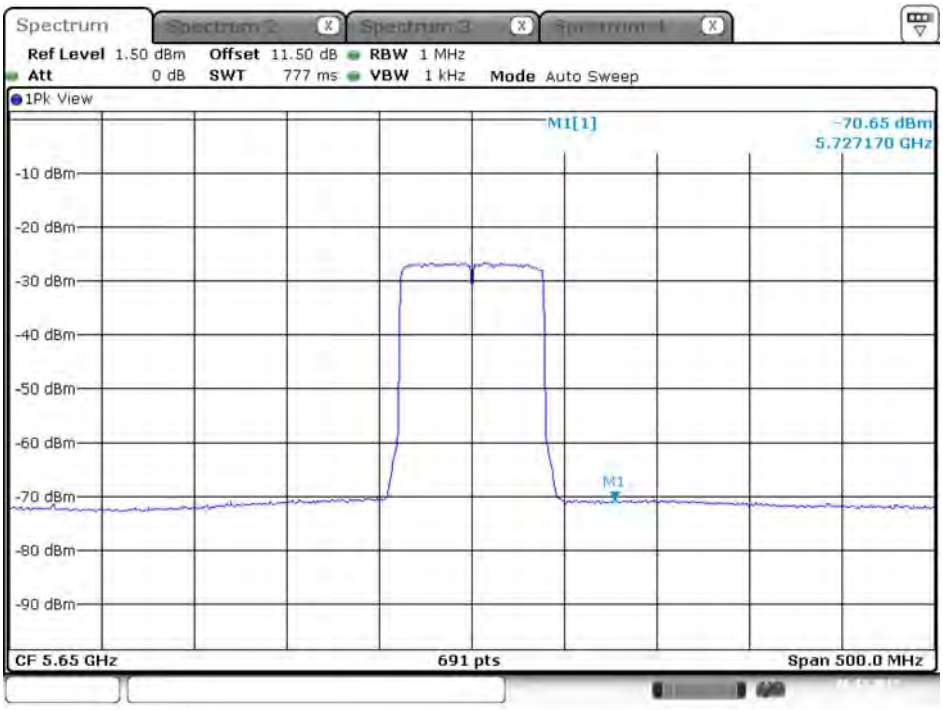
Date: 6.DEC.2017 12:09:39

Plot on Configuration QPSK, 80M / 5610 MHz / Peak / Port 2 (TX2)



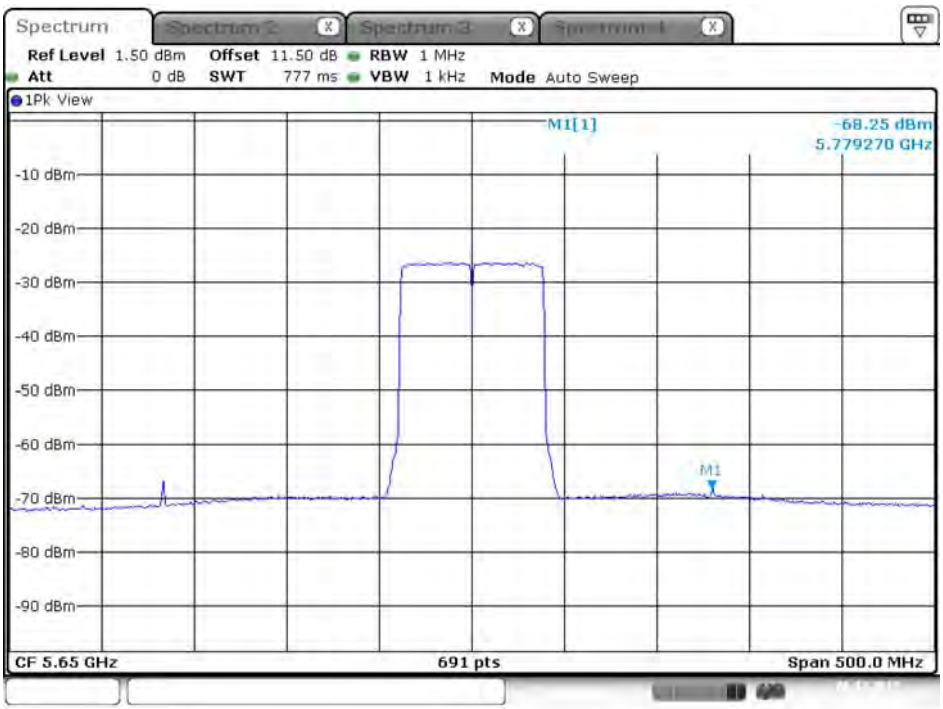
Date: 6.DEC.2017 12:06:59

Plot on Configuration QPSK, 80M / 5650MHz / Average / Port 1 (TX1)



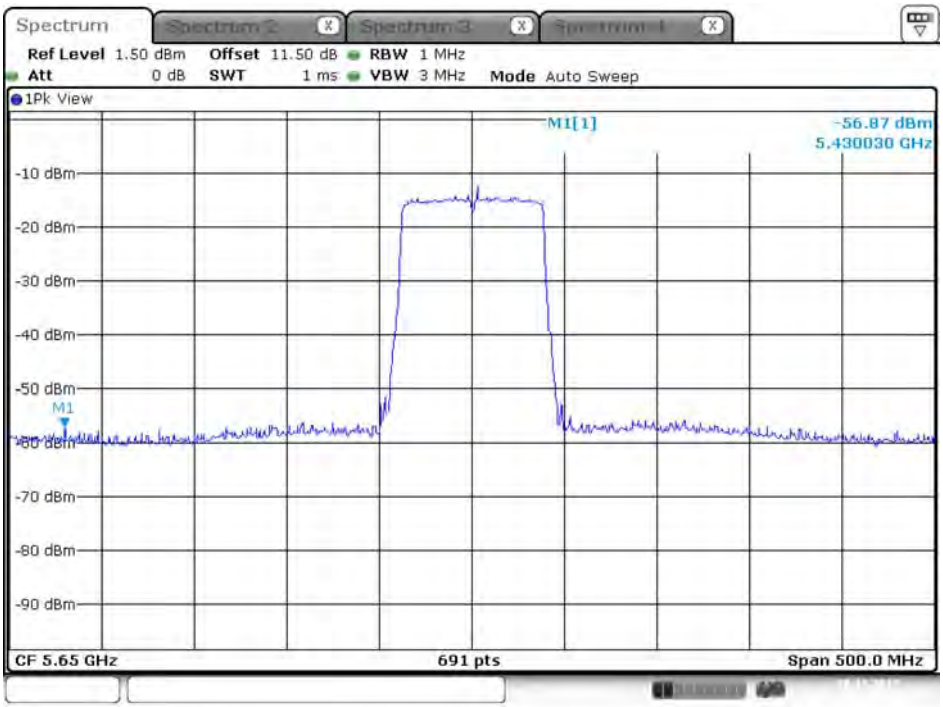
Date: 6.DEC.2017 14:13:42

Plot on Configuration QPSK, 80M / 5650 MHz / Average / Port 2 (TX2)



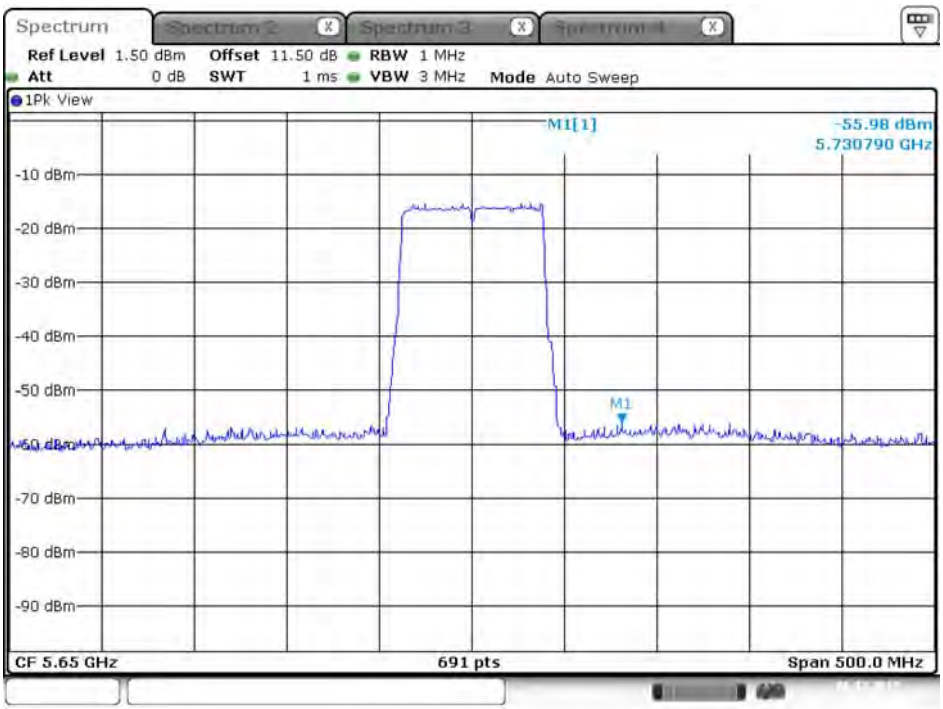
Date: 6.DEC.2017 13:58:32

Plot on Configuration QPSK, 80M / 5650 MHz / Peak / Port 1 (TX1)



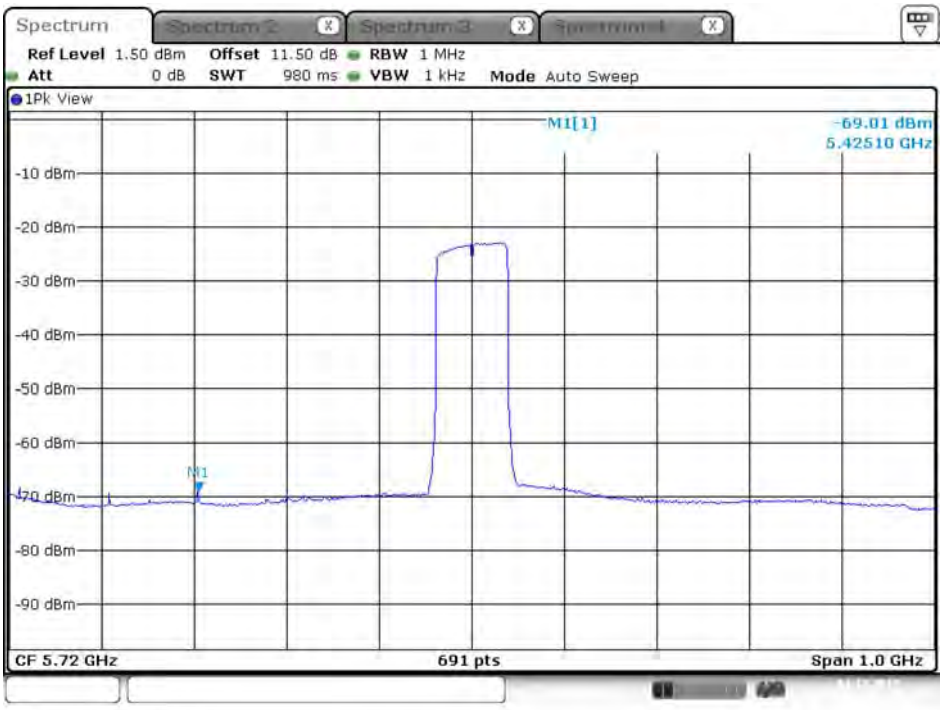
Date: 28.NOV.2017 18:17:55

Plot on Configuration QPSK, 80M / 5650MHz / Peak / Port 2 (TX2)



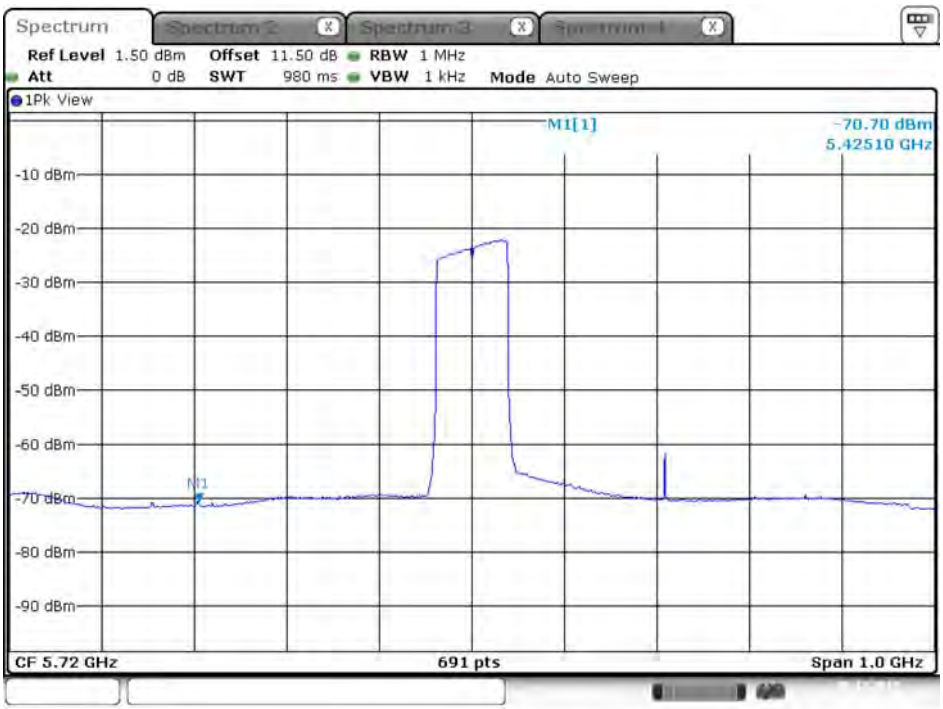
Date: 6.DEC.2017 13:59:48

Plot on Configuration QPSK, 80M / 5720 MHz / Average / Port 1 (TX1)



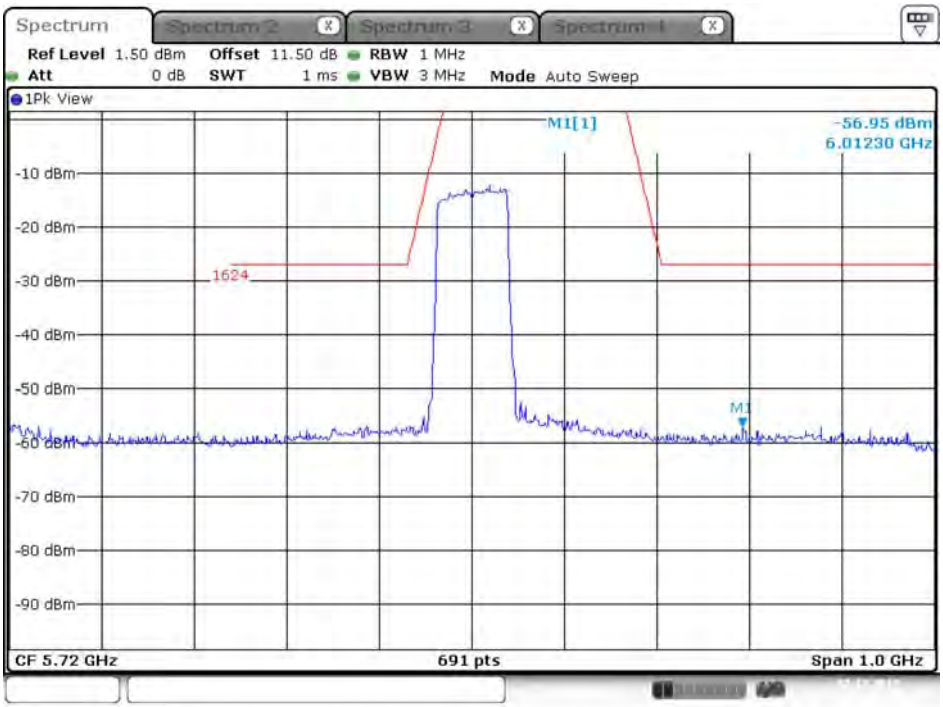
Date: 4.DEC.2017 14:38:07

Plot on Configuration QPSK, 80M / 5720 MHz / Average / Port 2 (TX2)



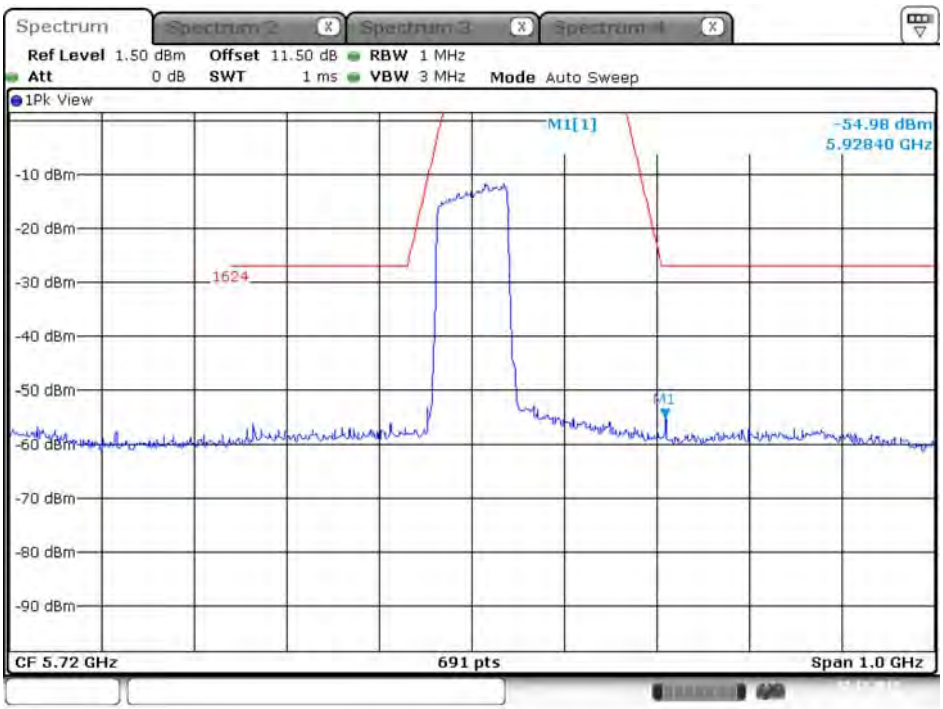
Date: 5.DEC.2017 18:08:52

Plot on Configuration QPSK, 80M / 5720 MHz / Peak / Port 1 (TX1)



Date: 7.DEC.2017 19:59:05

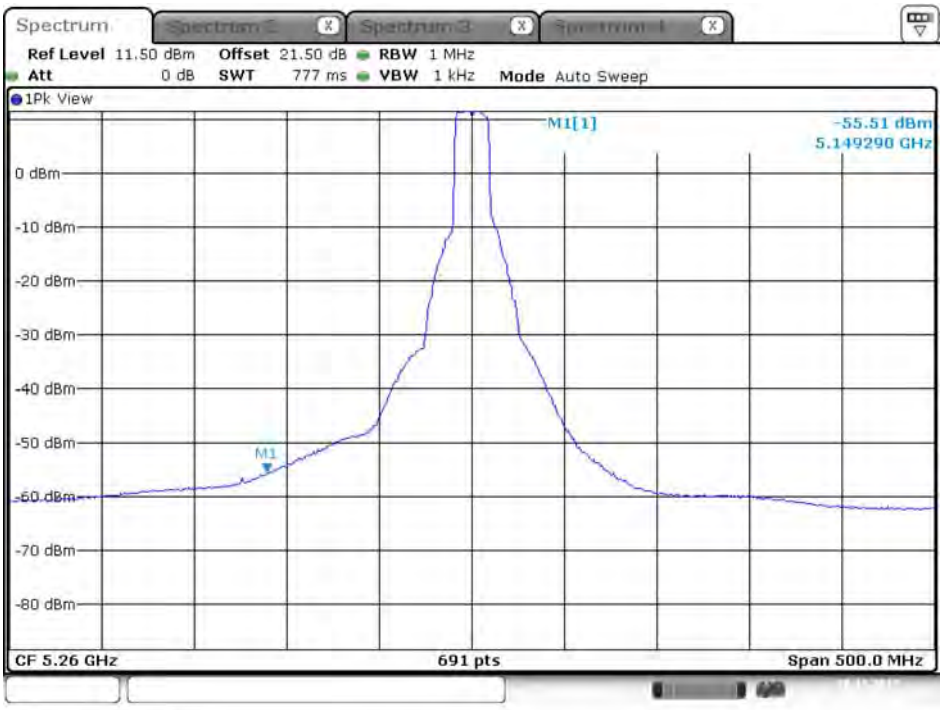
Plot on Configuration QPSK, 80M / 5720 MHz / Peak / Port 2 (TX2)



Date: 7.DEC.2017 19:57:46

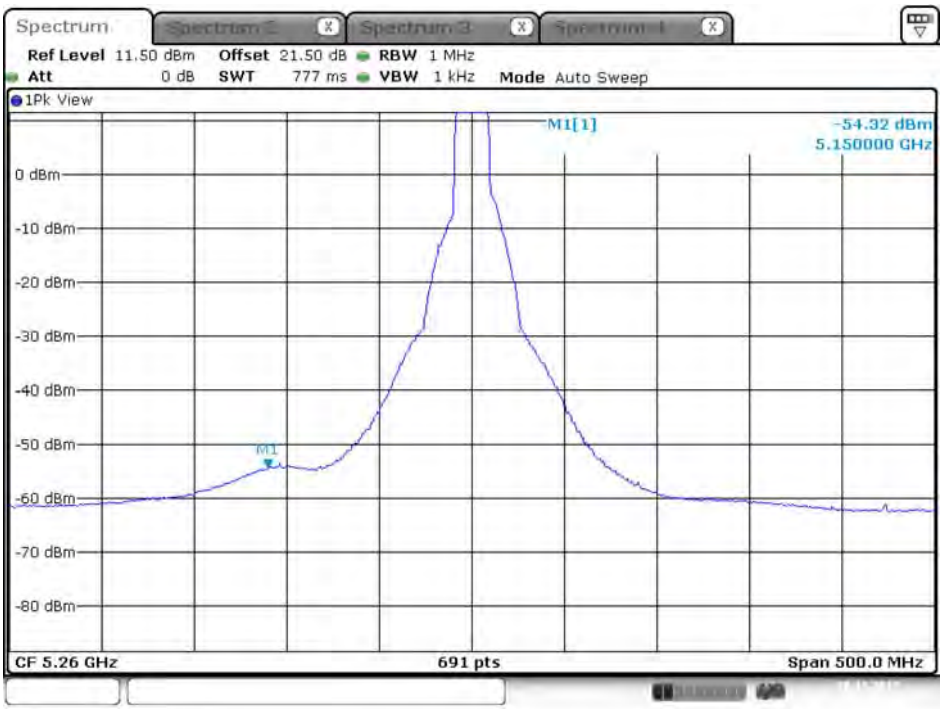
For Antenna 3:

Plot on Configuration QPSK, 20M / 5260 MHz / Average / Port 1 (TX1)



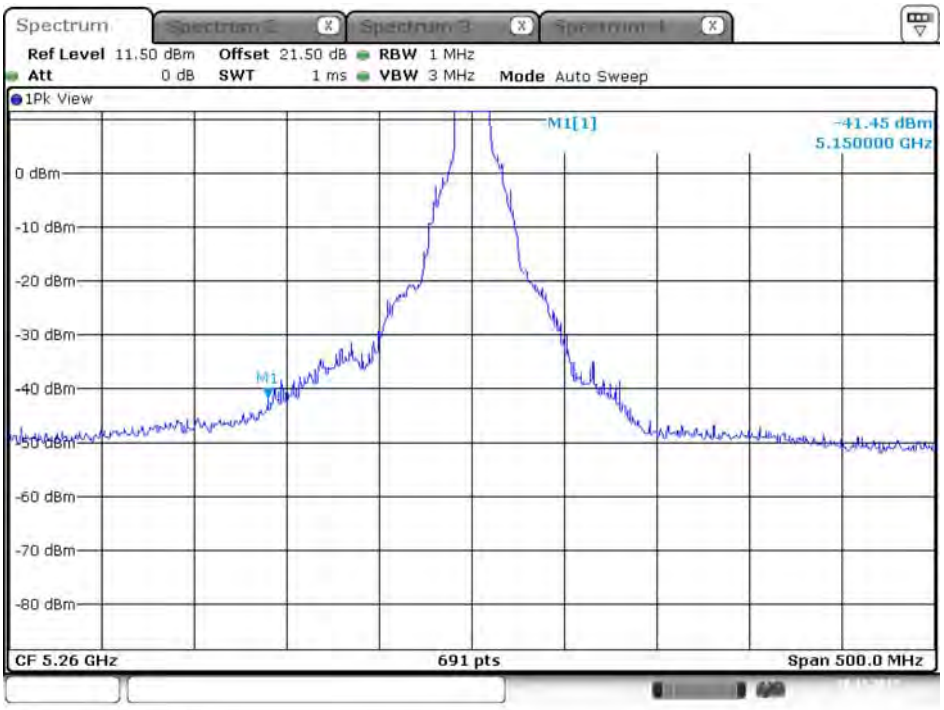
Date: 28.NOV.2017 10:17:31

Plot on Configuration QPSK, 20M / 5260 MHz / Average / Port 2 (TX2)



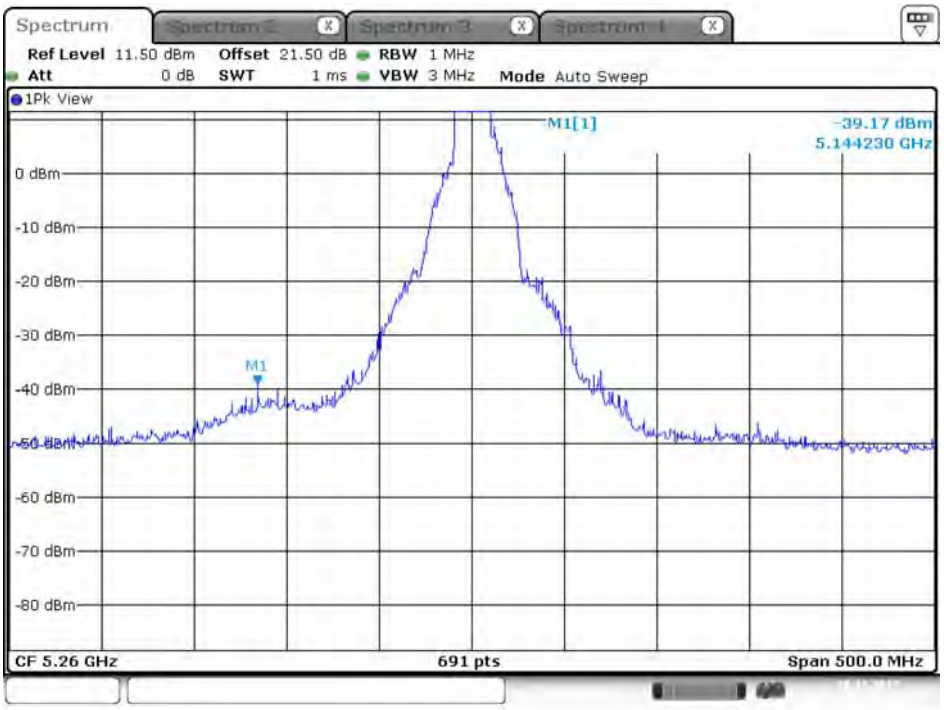
Date: 28.NOV.2017 10:16:19

Plot on Configuration QPSK, 20M / 5260 MHz / Peak / Port 1 (TX1)



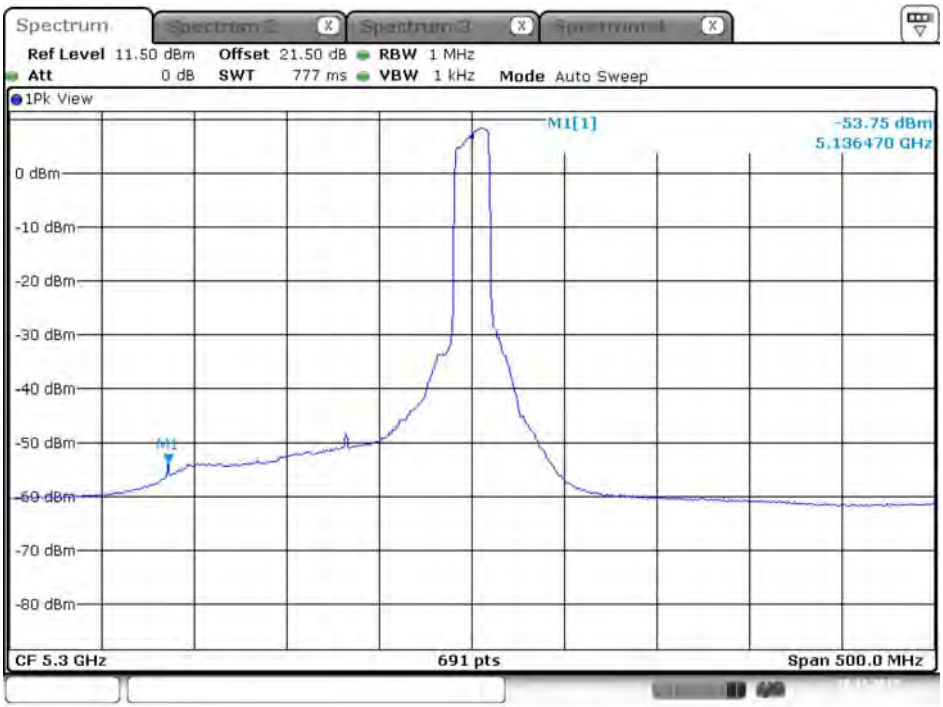
Date: 28.NOV.2017 10:24:31

Plot on Configuration QPSK, 20M / 5260 MHz / Peak / Port 2 (TX2)



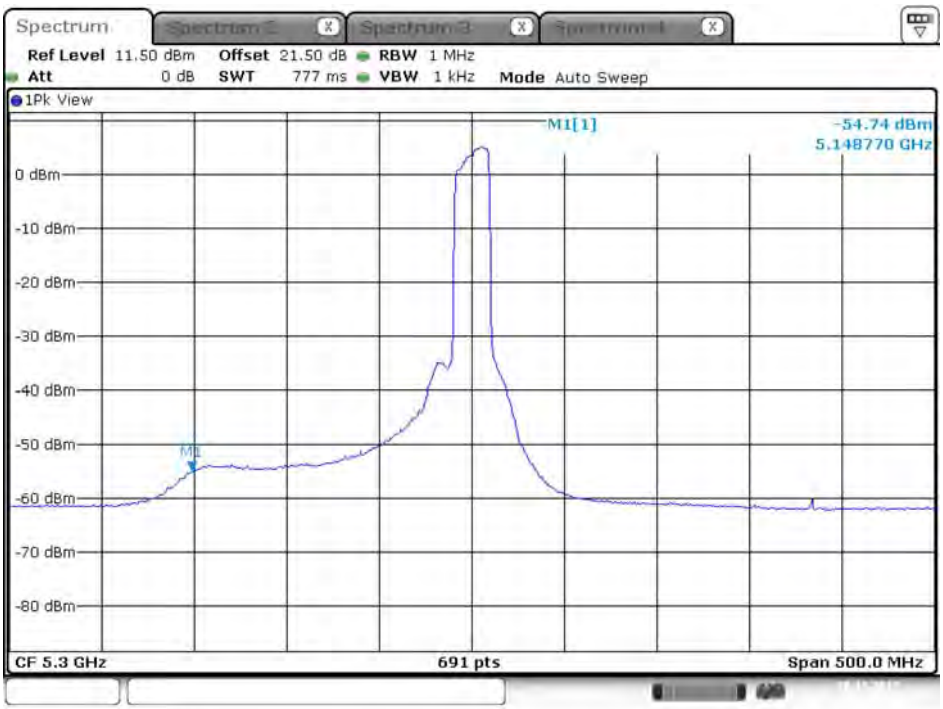
Date: 28.NOV.2017 10:25:37

Plot on Configuration QPSK, 20M / 5300 MHz / Average / Port 1 (TX1)



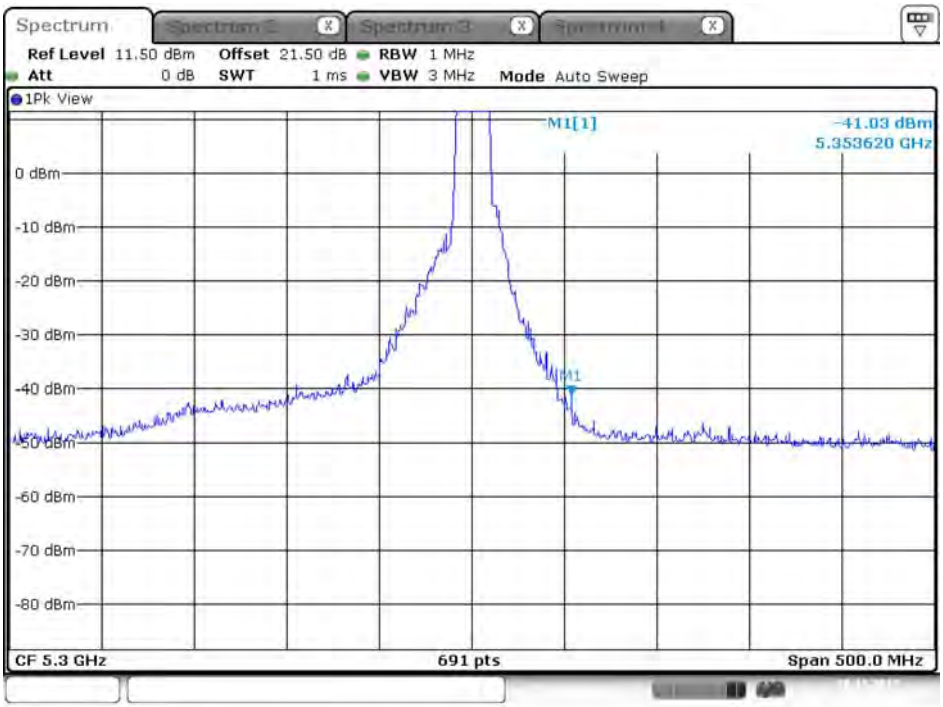
Date: 28.NOV.2017 10:31:28

Plot on Configuration QPSK, 20M / 5300 MHz / Average / Port 2 (TX2)



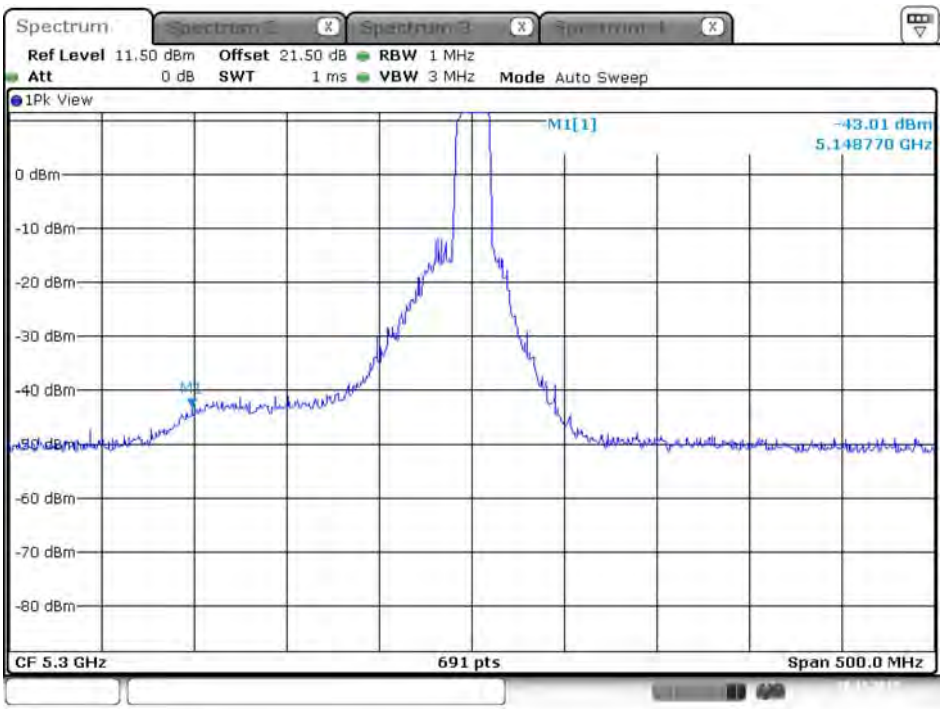
Date: 28.NOV.2017 10:27:56

Plot on Configuration QPSK, 20M / 5300 MHz / Peak / Port 1 (TX1)



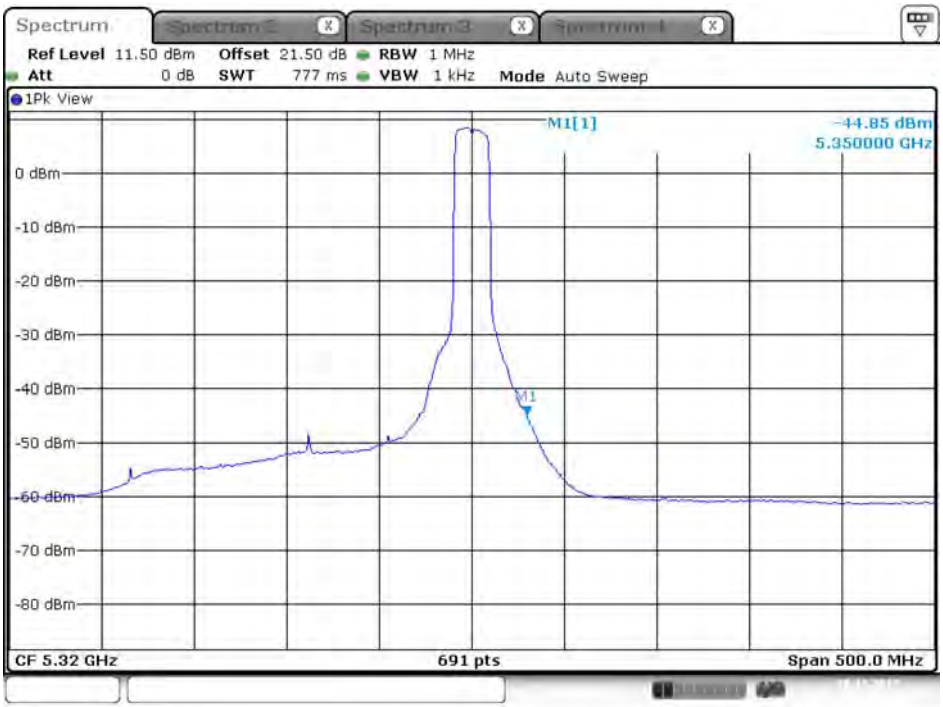
Date: 28.NOV.2017 10:30:15

Plot on Configuration QPSK, 20M / 5300 MHz / Peak / Port 2 (TX2)



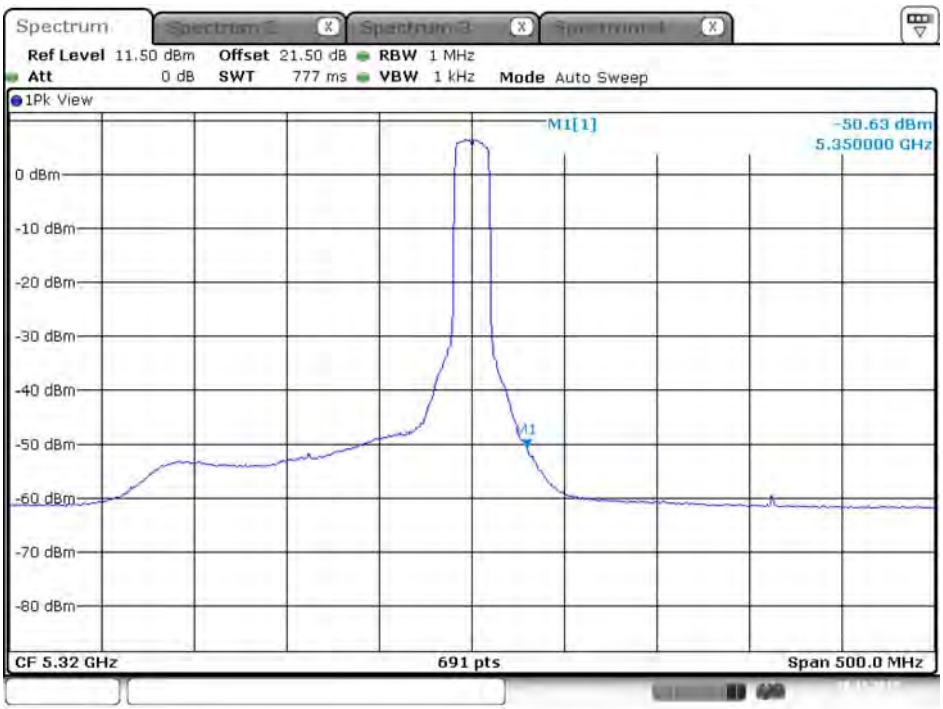
Date: 28.NOV.2017 10:28:33

Plot on Configuration QPSK, 20M / 5320 MHz / Average / Port 1 (TX1)



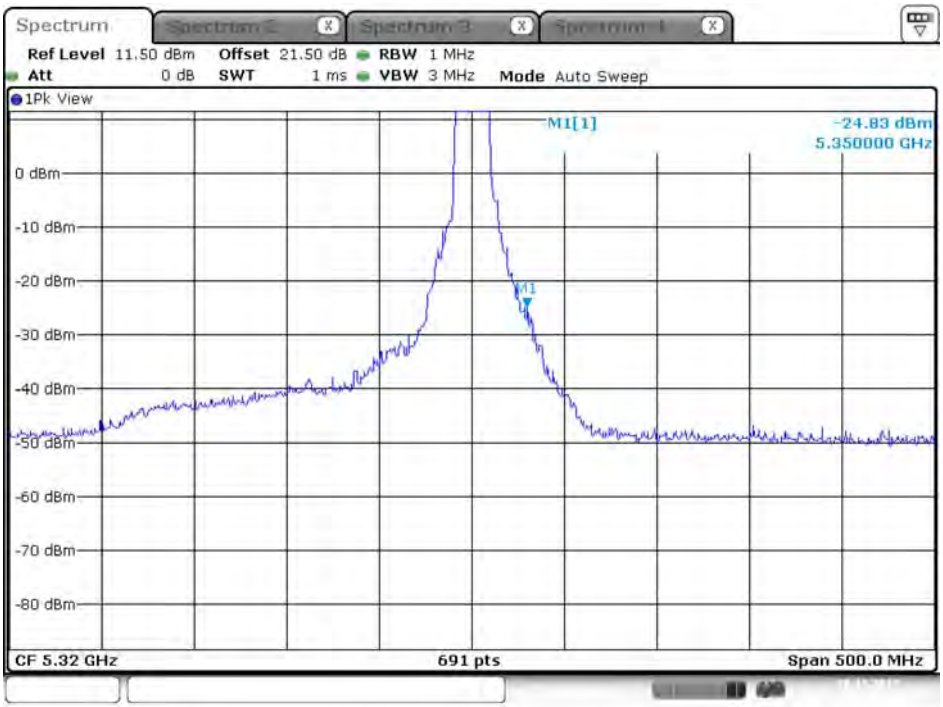
Date: 28.NOV.2017 10:49:43

Plot on Configuration QPSK, 20M / 5320 MHz / Average / Port 2 (TX2)



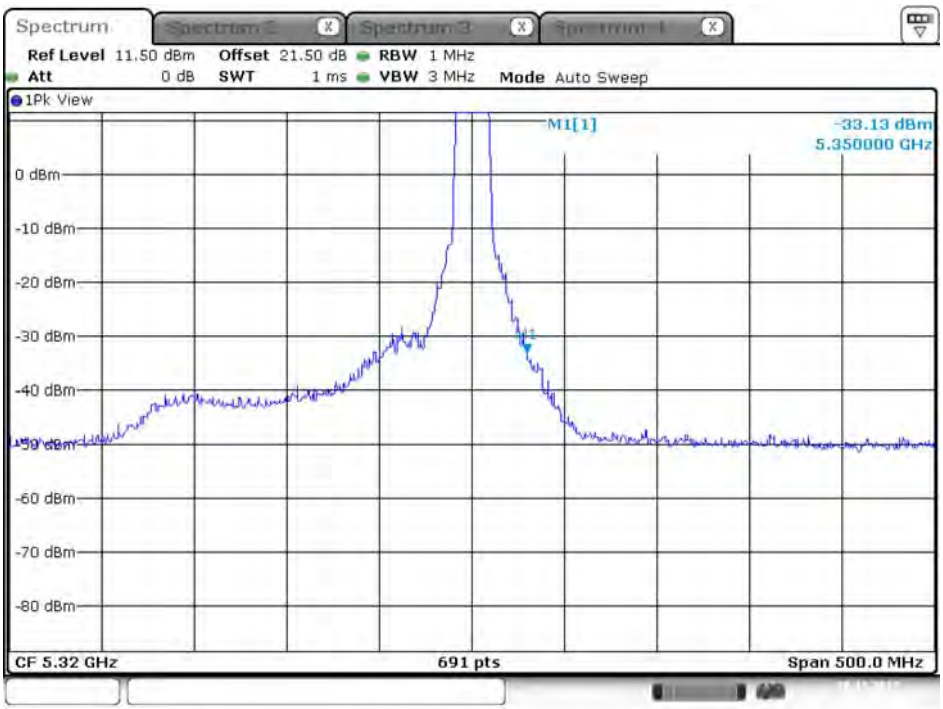
Date: 28.NOV.2017 10:46:33

Plot on Configuration QPSK, 20M / 5320 MHz / Peak / Port 1 (TX1)



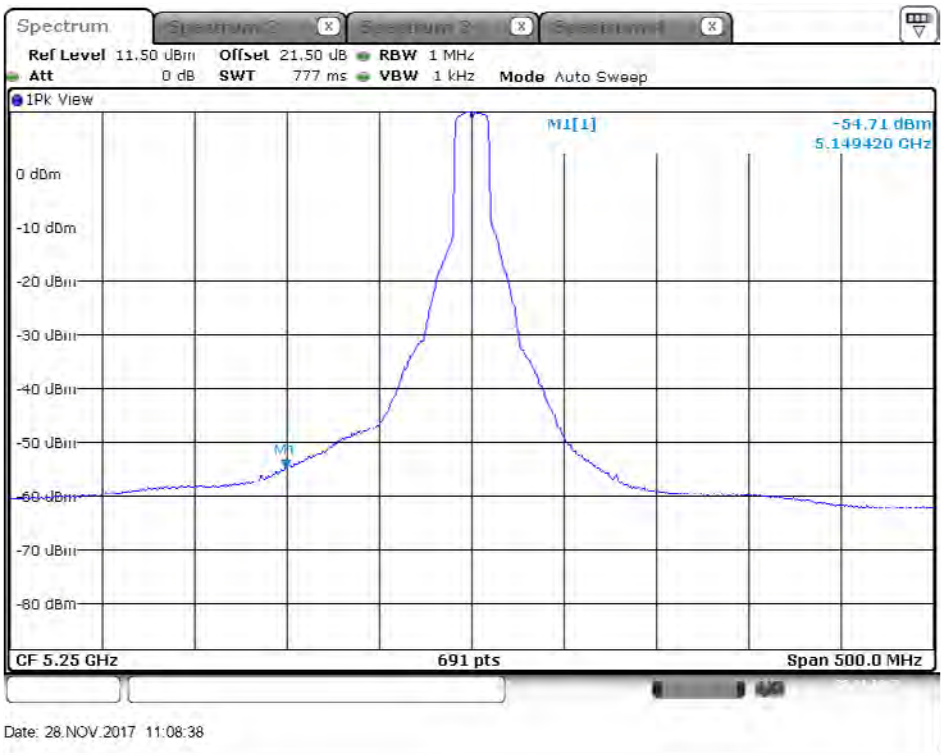
Date: 28.NOV.2017 10:52:24

Plot on Configuration QPSK, 20M / 5320 MHz / Peak / Port 2 (TX2)

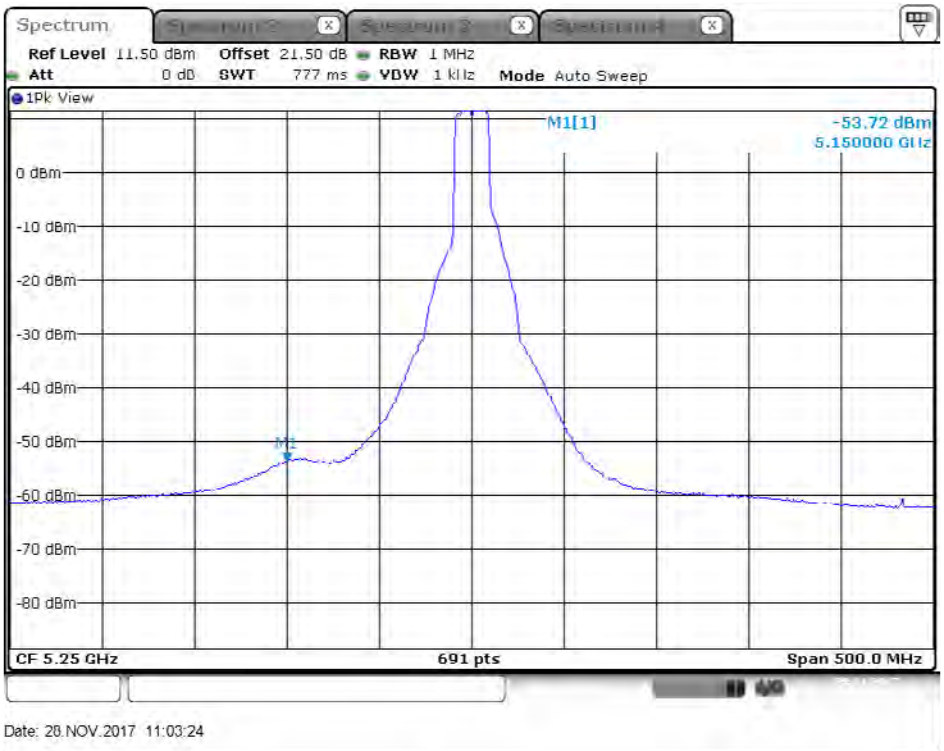


Date: 28.NOV.2017 10:47:00

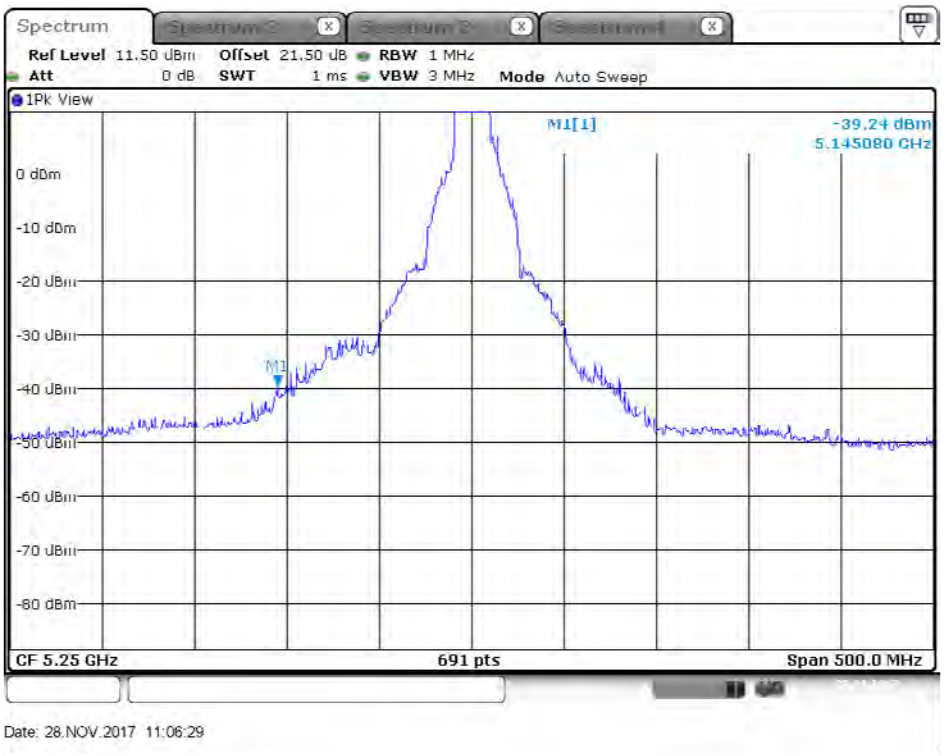
Plot on Configuration QPSK, 20M / 5250 MHz / Average / Port 1 (TX1)



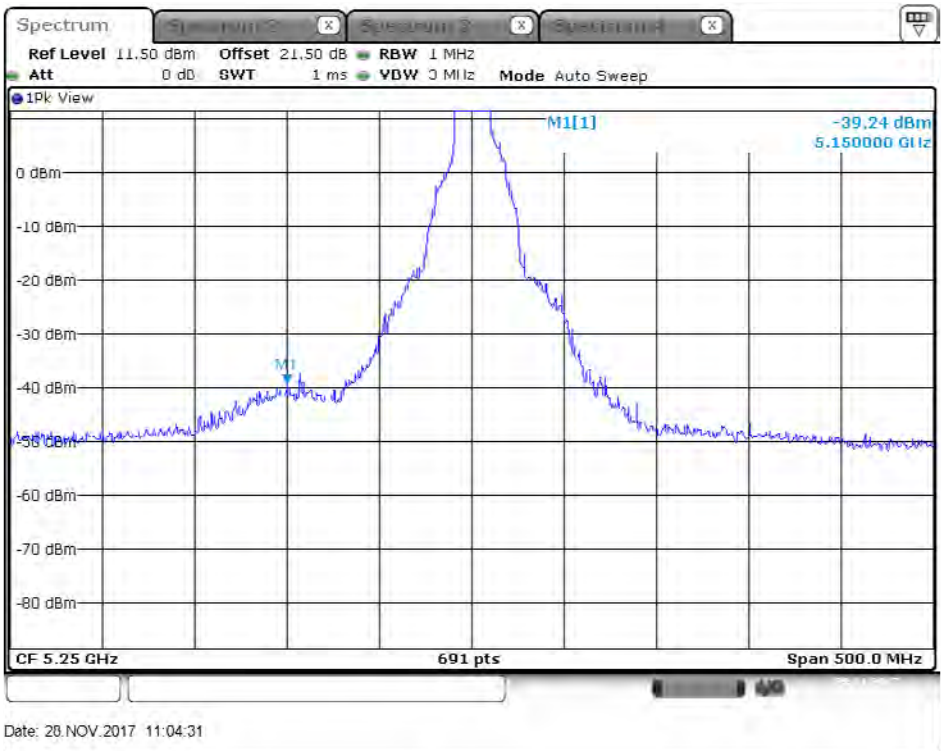
Plot on Configuration QPSK, 20M / 5250 MHz / Average / Port 2 (TX2)



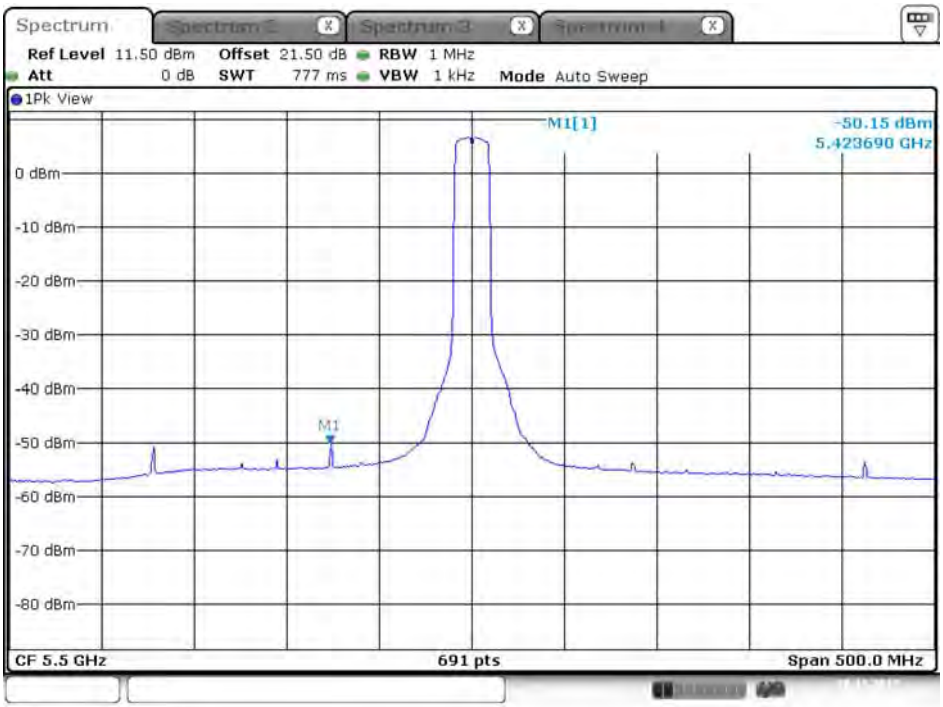
Plot on Configuration QPSK, 20M / 5250 MHz / Peak / Port 1 (TX1)



Plot on Configuration QPSK, 20M / 5250 MHz / Peak / Port 2 (TX2)

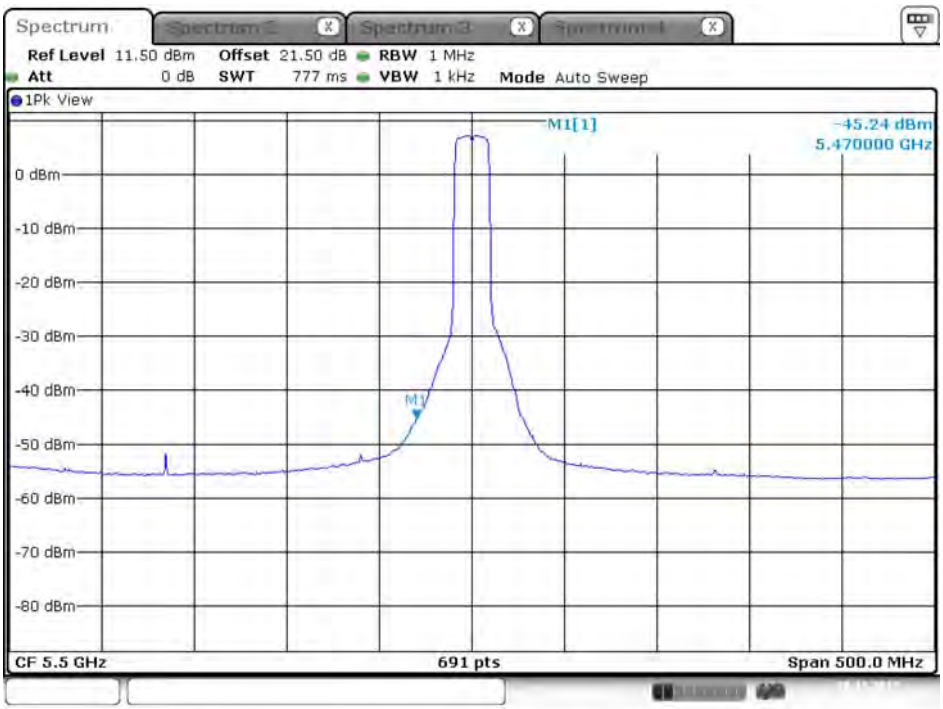


Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 1 (TX1)



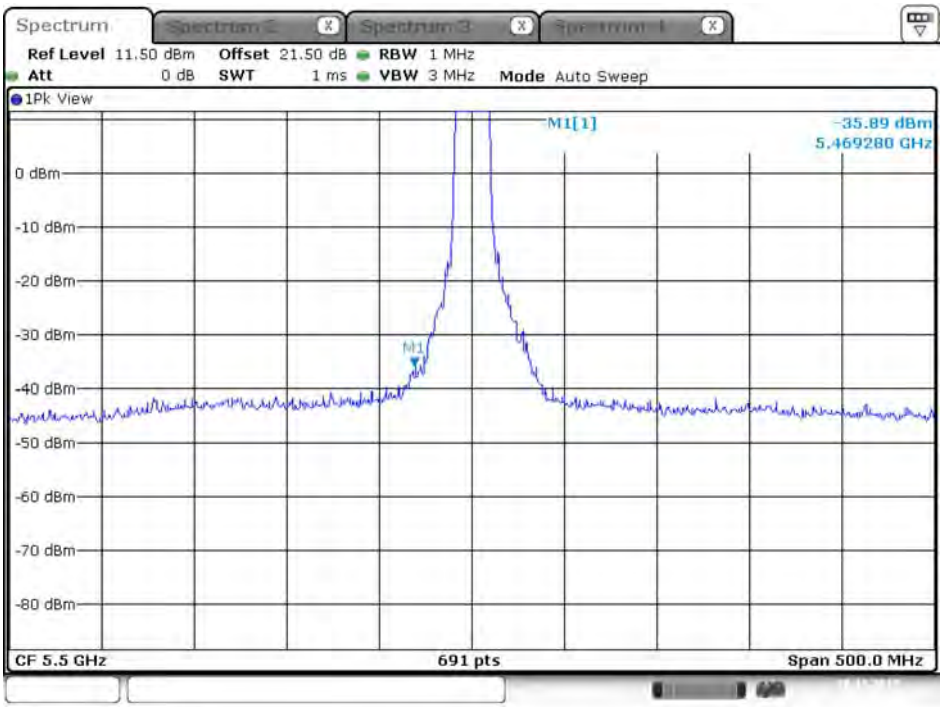
Date: 28.NOV.2017 21:17:24

Plot on Configuration QPSK, 20M / 5500 MHz / Average / Port 2 (TX2)



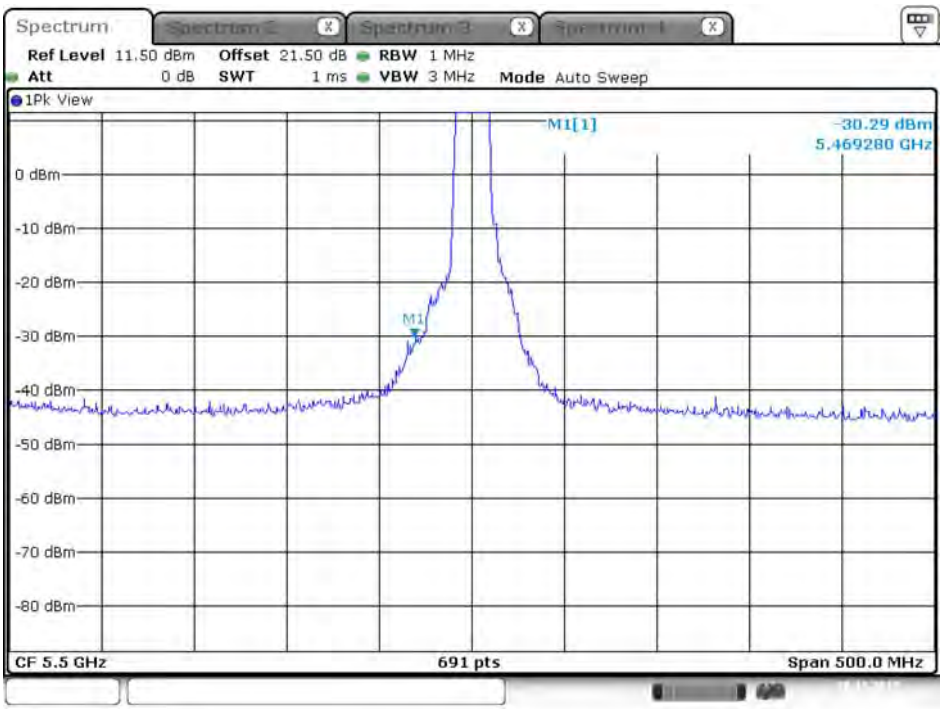
Date: 28.NOV.2017 21:20:02

Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 1 (TX1)



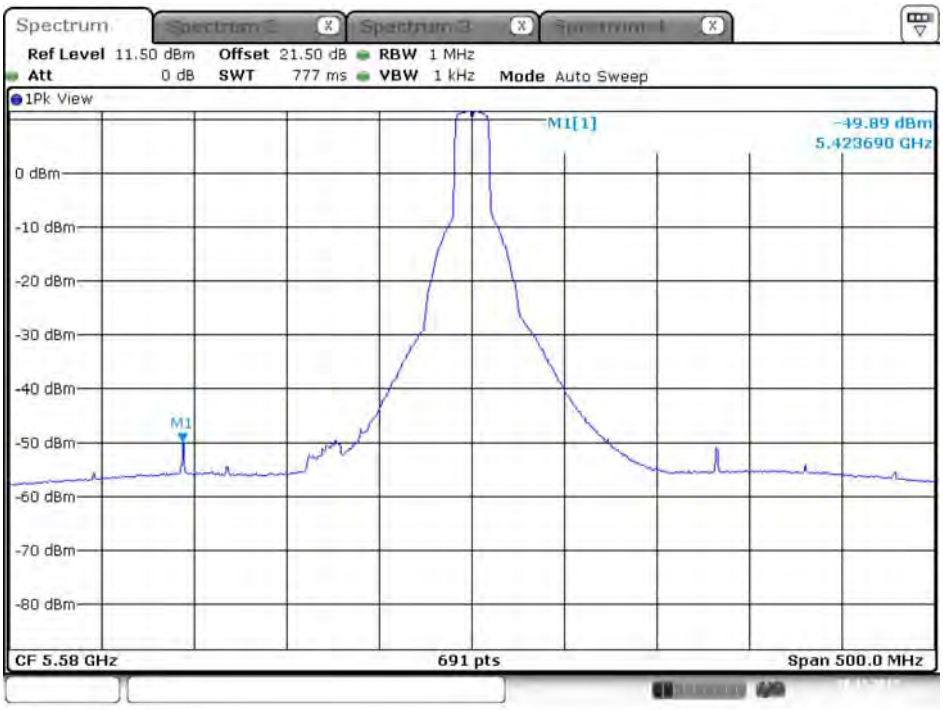
Date: 28.NOV.2017 21:18:18

Plot on Configuration QPSK, 20M / 5500 MHz / Peak / Port 2 (TX2)



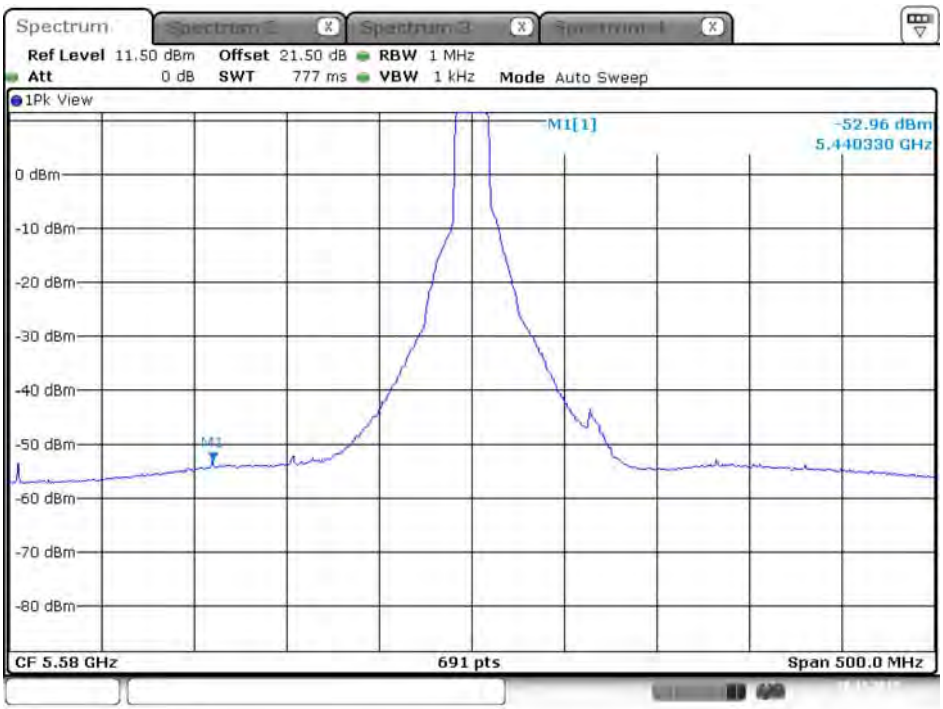
Date: 28.NOV.2017 21:21:21

Plot on Configuration QPSK, 20M / 5580 MHz / Average / Port 1 (TX1)



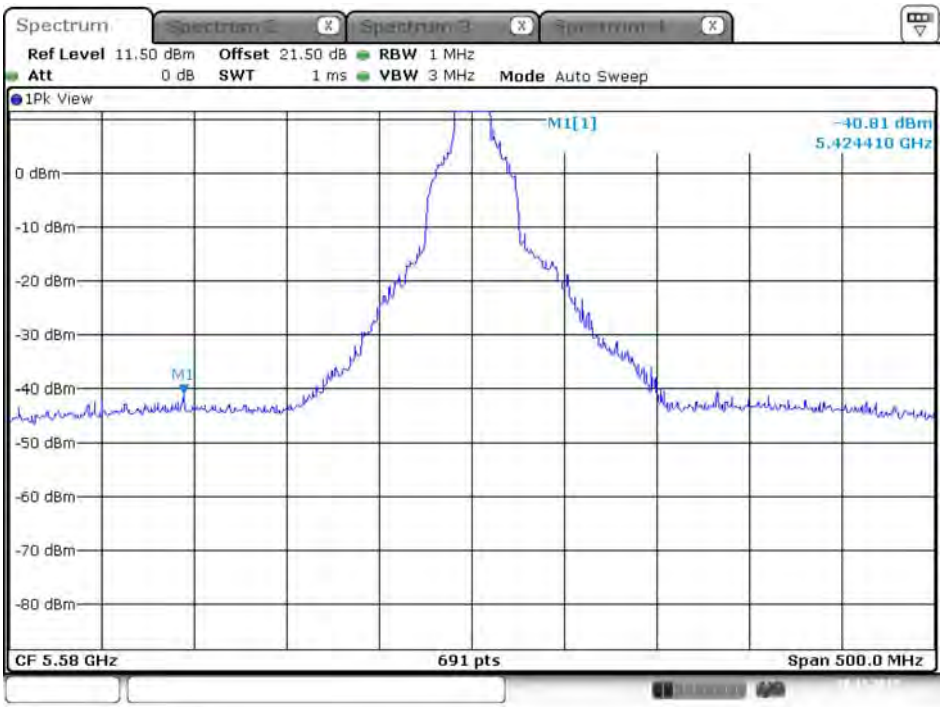
Date: 28.NOV.2017 21:33:21

Plot on Configuration QPSK, 20M / 5580 MHz / Average / Port 2 (TX2)



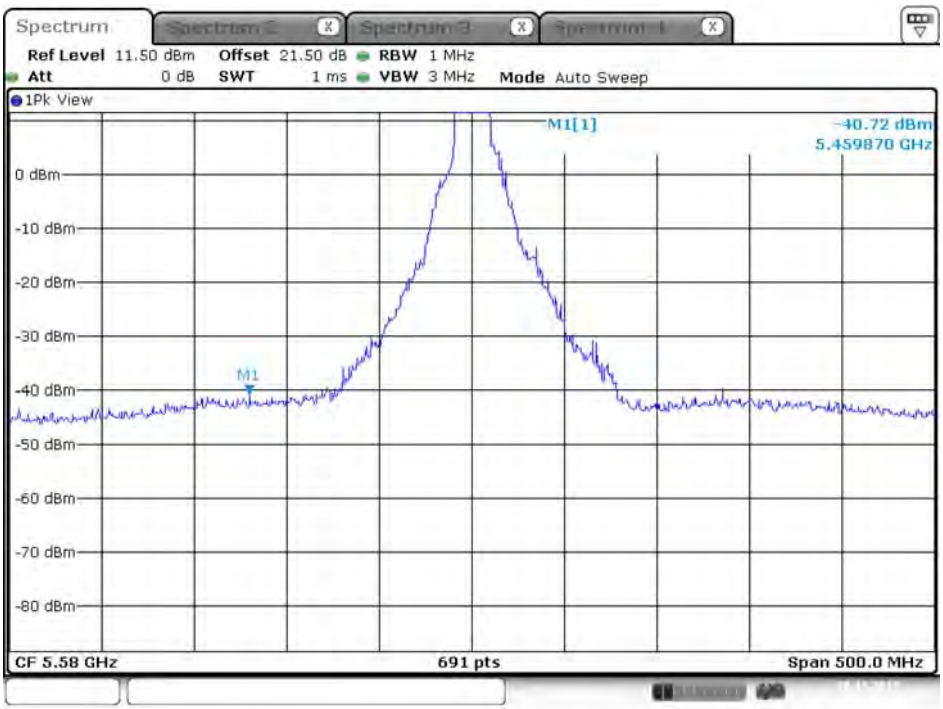
Date: 28.NOV.2017 21:26:45

Plot on Configuration QPSK, 20M / 5580 MHz / Peak / Port 1 (TX1)



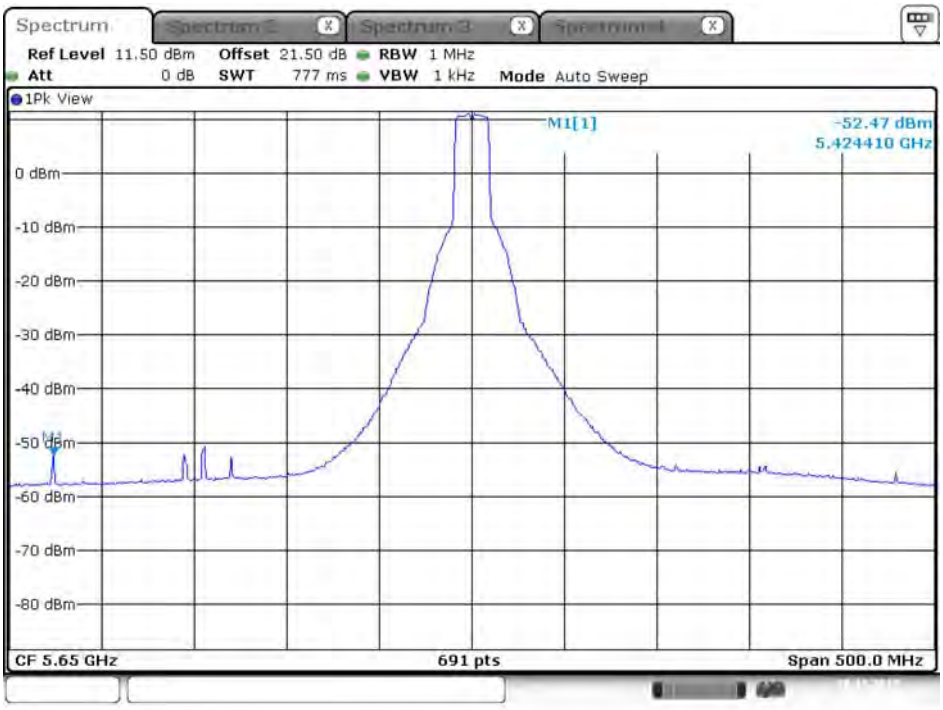
Date: 28.NOV.2017 21:35:13

Plot on Configuration QPSK, 20M / 5580 MHz / Peak / Port 2 (TX2)



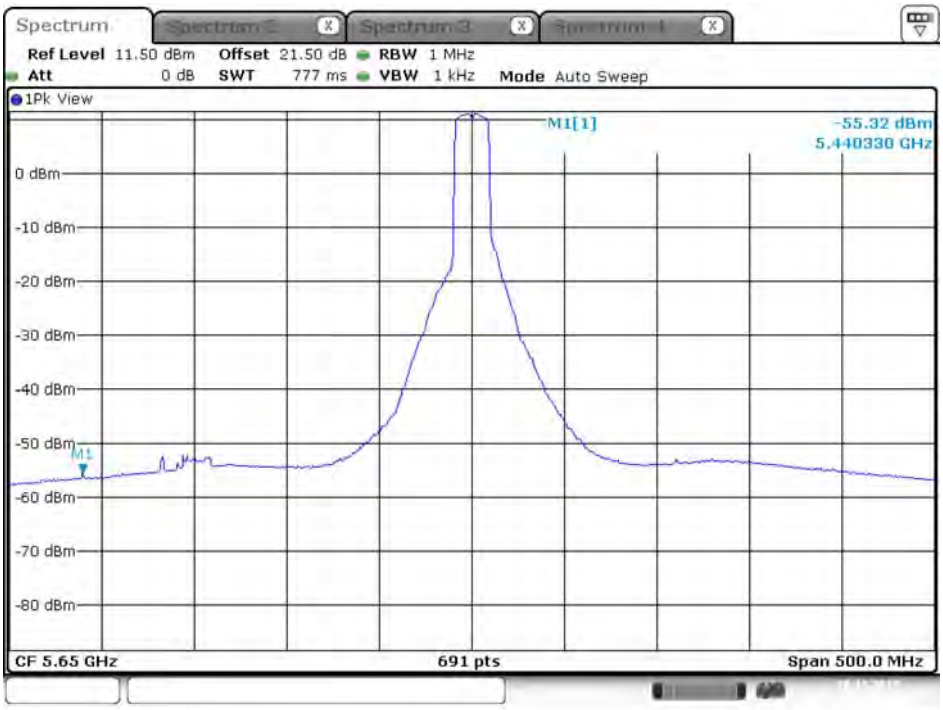
Date: 28.NOV.2017 21:28:15

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 1 (TX1)



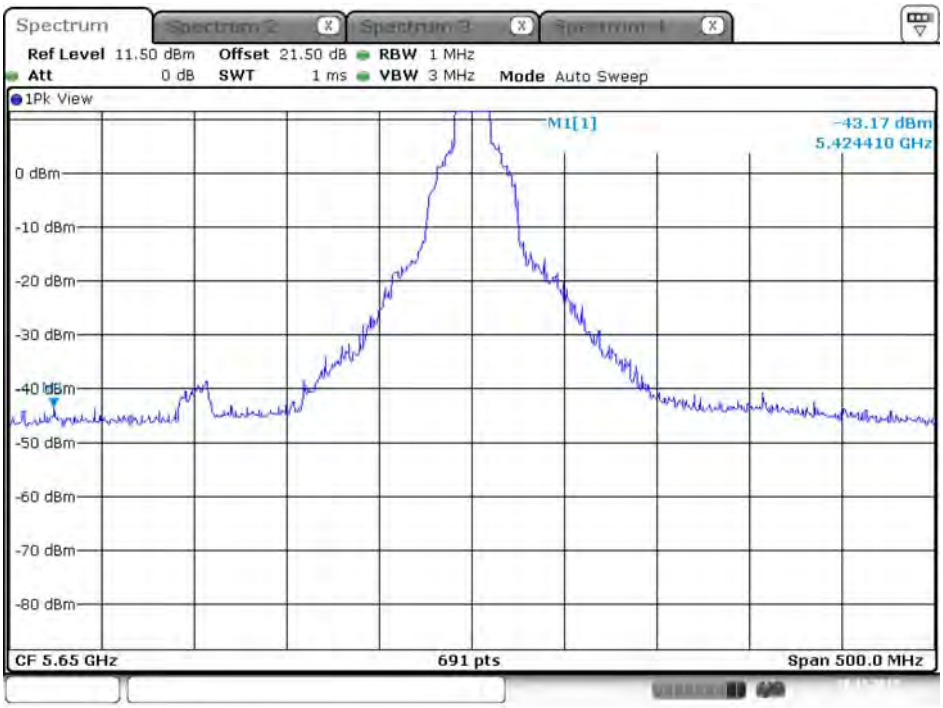
Date: 28.NOV.2017 21:56:50

Plot on Configuration QPSK, 20M / 5650 MHz / Average / Port 2 (TX2)



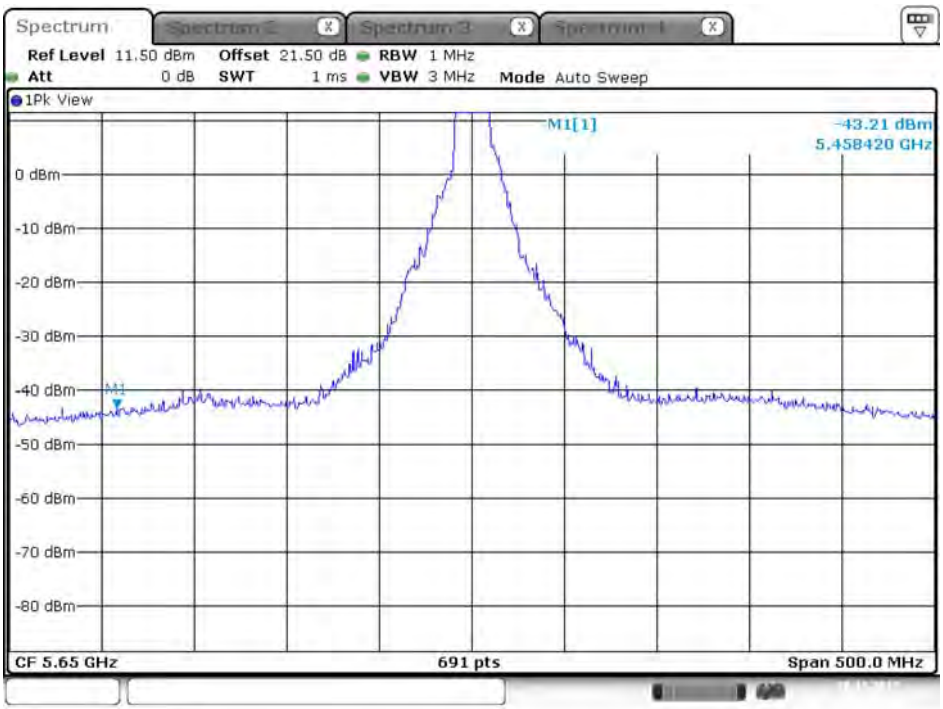
Date: 28.NOV.2017 21:50:20

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 1 (TX1)



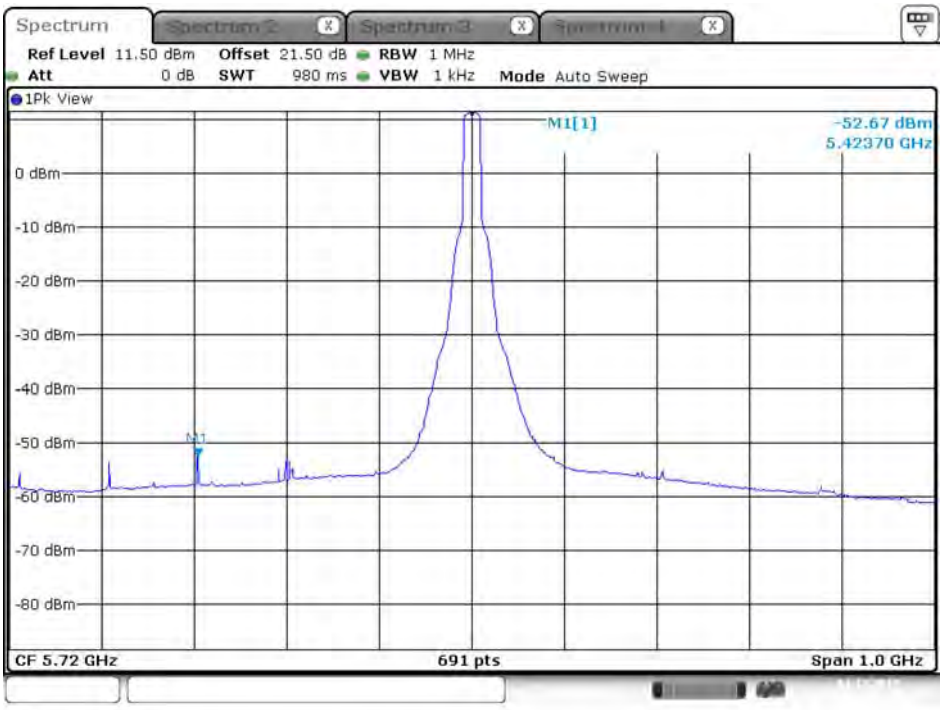
Date: 28.NOV.2017 21:57:47

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 2 (TX2)



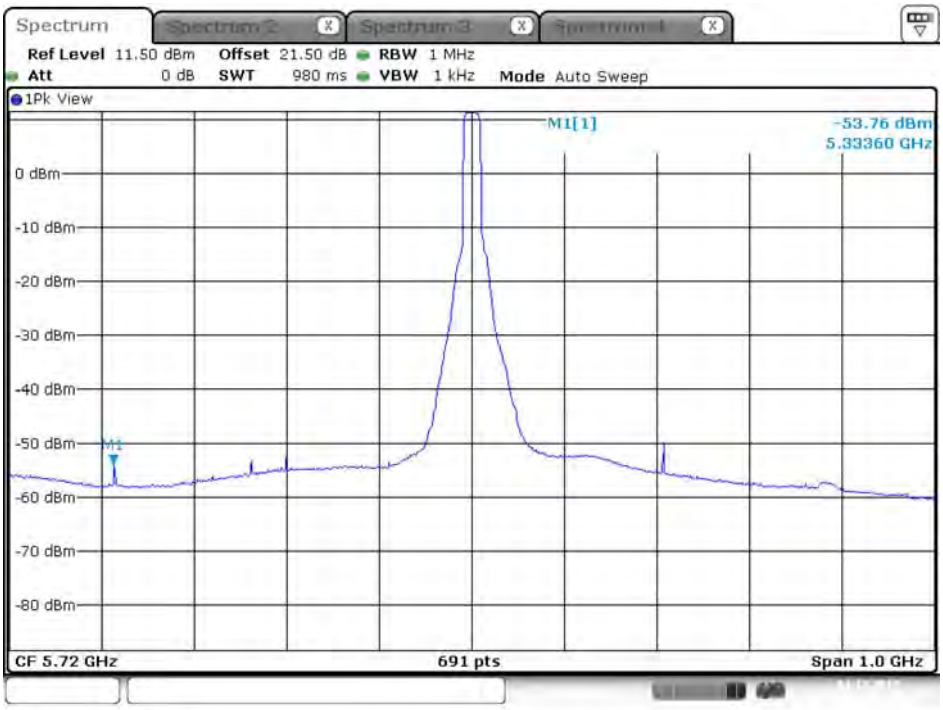
Date: 28.NOV.2017 21:52:42

Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 1 (TX1)



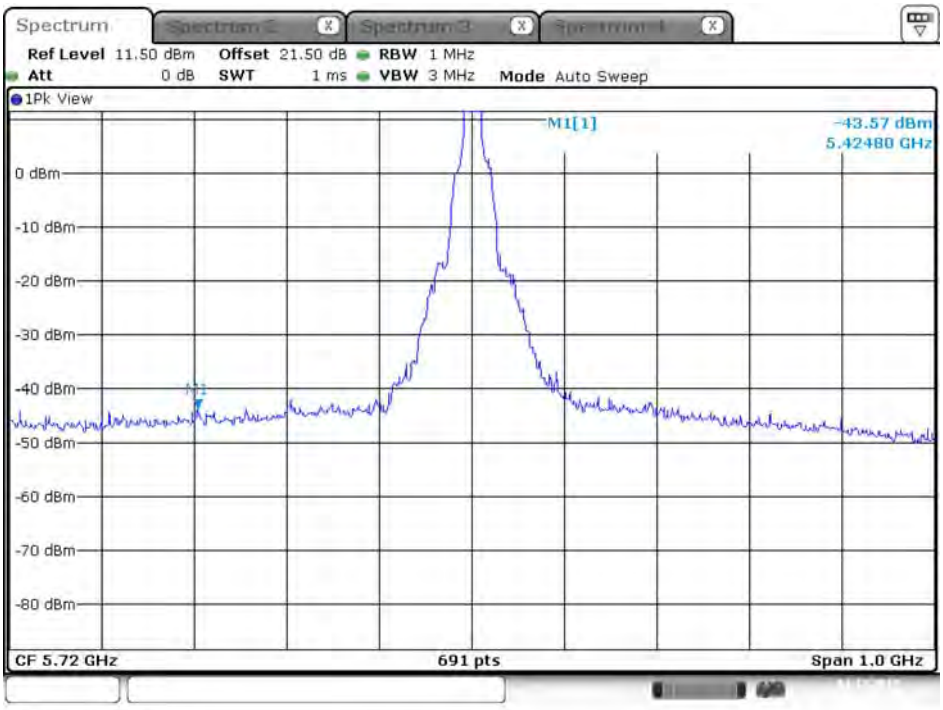
Date: 4.DEC.2017 12:08:14

Plot on Configuration QPSK, 20M / 5720 MHz / Average / Port 2 (TX2)



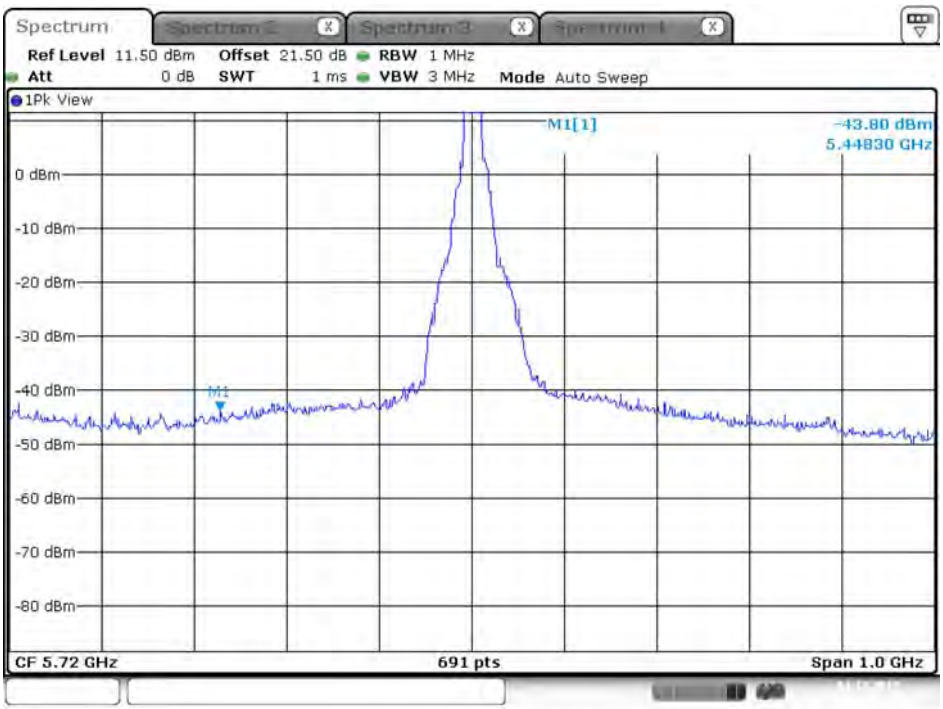
Date: 4.DEC.2017 13:49:41

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 1 (TX1)



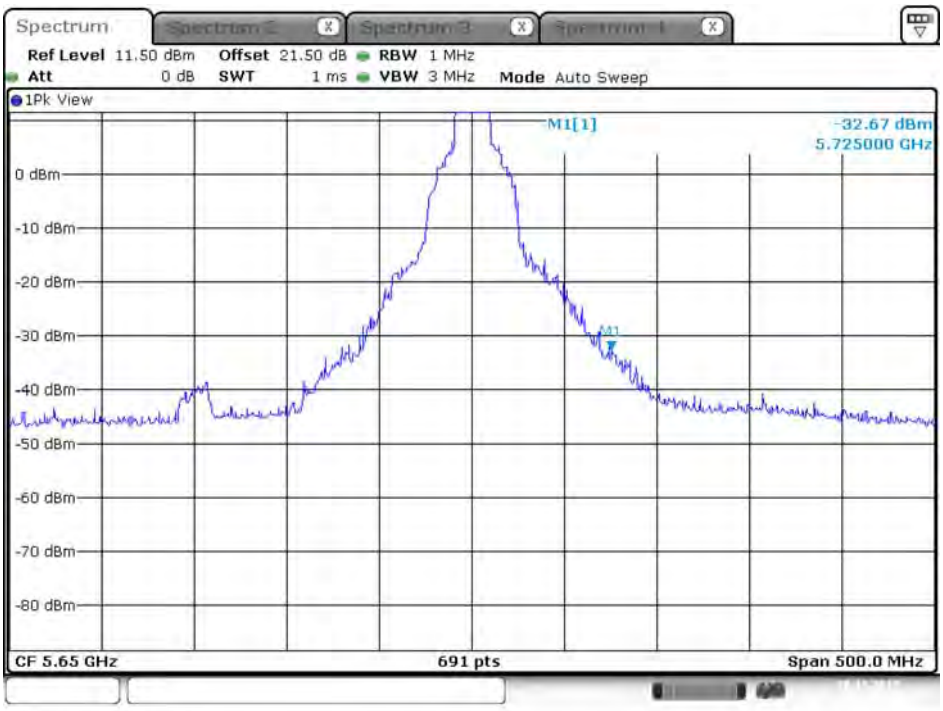
Date: 4.DEC.2017 12:10:25

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 2 (TX2)



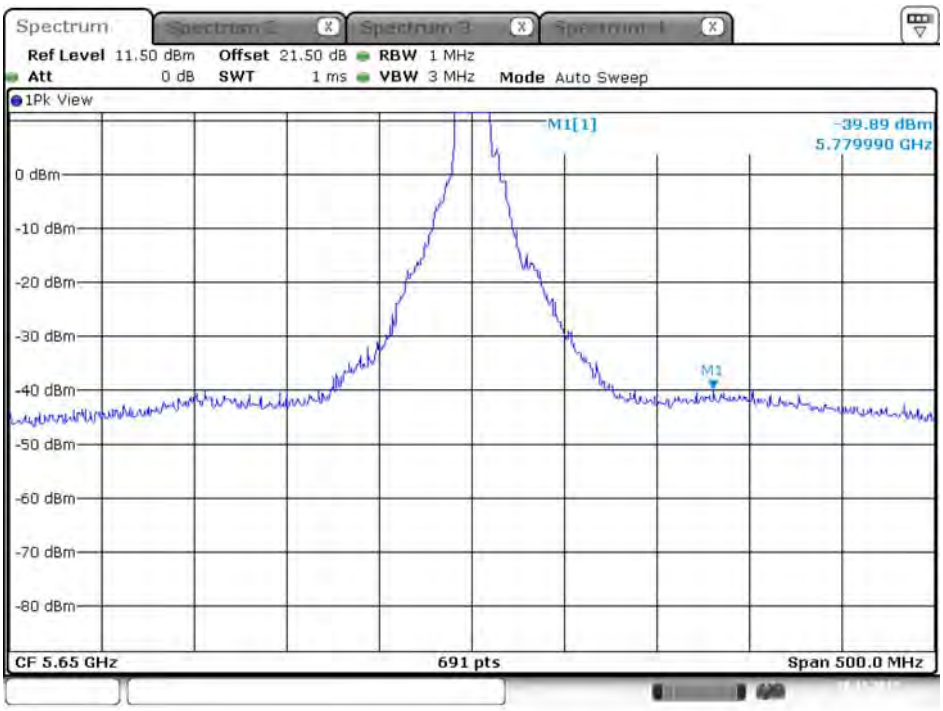
Date: 4.DEC.2017 13:50:44

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 1 (TX1) _Emission in Non-restriction band



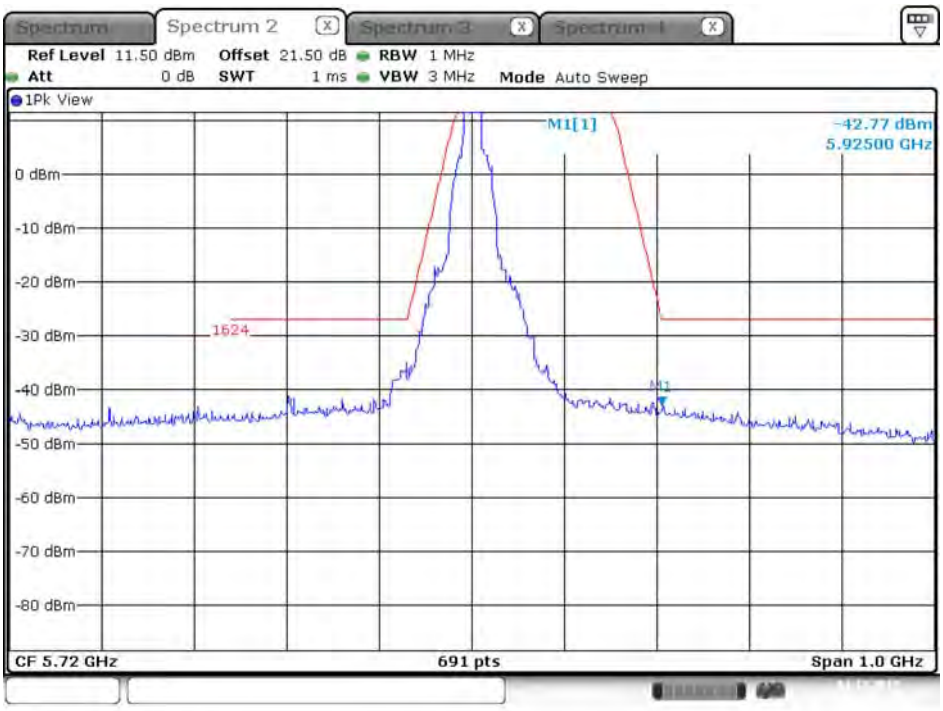
Date: 28.NOV.2017 21:58:56

Plot on Configuration QPSK, 20M / 5650 MHz / Peak / Port 2 (TX2) _Emission in Non-restriction band



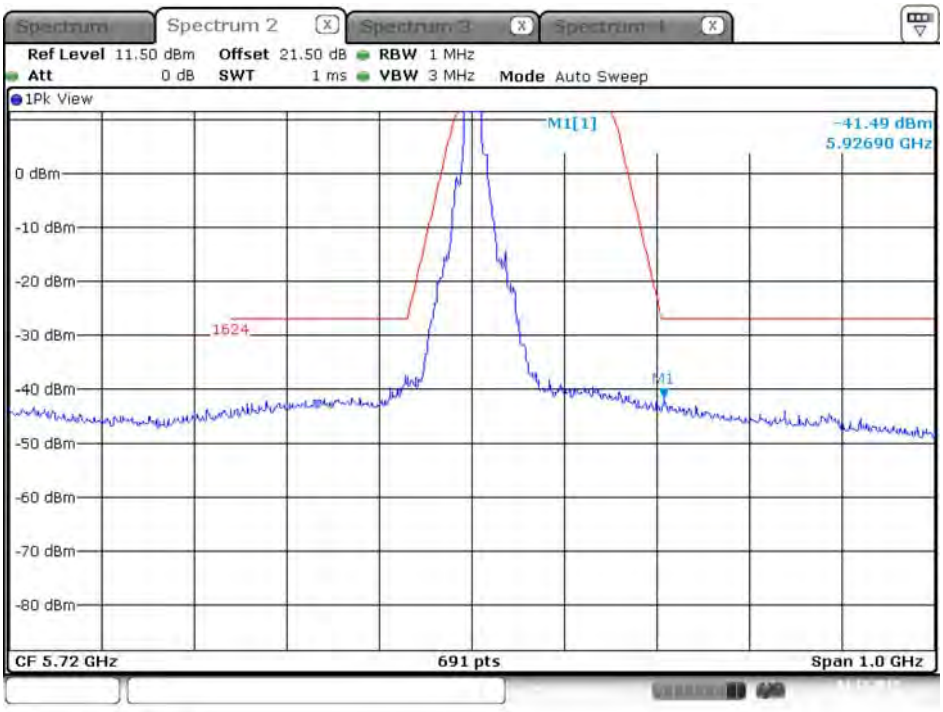
Date: 28.NOV.2017 21:53:54

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 1 (TX1)_Emission in Non-restriction band



Date: 4.DEC.2017 12:04:11

Plot on Configuration QPSK, 20M / 5720 MHz / Peak / Port 2 (TX2)_Emission in Non-restriction band



Date: 4.DEC.2017 13:48:21

4.7. Frequency Stability Measurement

4.7.1. Limit

In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

4.7.2. Measuring Instruments and Setting

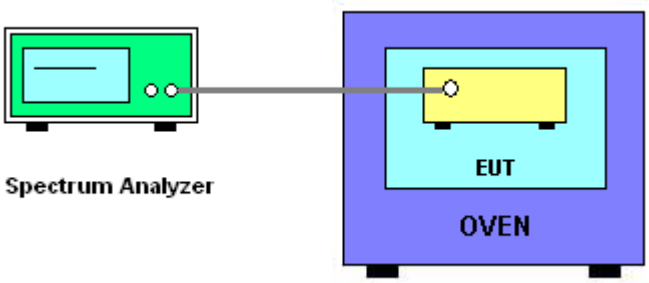
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

4.7.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 10^6 ppm and the limit is less than ±20ppm (IEEE 802.11nspecification).
6. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
7. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
8. Extreme temperature is -40°C~70°C.

4.7.4. Test Setup Layout



4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.7.7. Test Result of Frequency Stability

Temperature	22°C	Humidity	54%
Test Engineer	Ron Huang / Lucke Hsieh / Brain Sun / Serway Li	Test Date	Nov. 16, 2017~Dec. 08, 2017

Mode: 20 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9649	5299.9648	5299.9643	5299.9639
110.00	5299.9641	5299.9640	5299.9631	5299.9626
93.50	5299.9637	5299.9633	5299.9623	5299.9618
Max. Deviation (MHz)	0.0363	0.0367	0.0377	0.0382
Max. Deviation (ppm)	6.85	6.92	7.11	7.21
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5299.9965	5299.9961	5299.9965	5299.9956
-30	5299.9979	5299.9973	5299.9971	5299.9970
-20	5299.9989	5299.9979	5299.9971	5299.9970
-10	5299.9901	5299.9991	5299.9981	5299.9972
0	5299.9918	5299.9912	5299.9908	5299.9902
10	5299.9931	5299.9927	5299.9922	5299.9920
20	5299.9941	5299.9937	5299.9927	5299.9921
30	5299.9959	5299.9953	5299.9943	5299.9942
40	5299.9974	5299.9970	5299.9963	5299.9961
50	5299.9965	5299.9964	5299.9961	5299.9959
60	5299.9970	5299.9962	5299.9958	5299.9957
70	5299.9979	5299.9974	5299.9973	5299.9970
Max. Deviation (MHz)	0.0099	0.0088	0.0092	0.0098
Max. Deviation (ppm)	1.87	1.66	1.74	1.85
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9642	5579.9635	5579.9617	5579.9618
110.00	5579.9635	5579.9637	5579.9635	5579.9627
93.50	5579.9628	5579.9634	5579.9629	5579.9638
Max. Deviation (MHz)	0.0372	0.0366	0.0383	0.0382
Max. Deviation (ppm)	6.67	6.56	6.86	6.85
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5579.9917	5579.9932	5579.9924	5579.9928
-30	5579.9932	5579.9942	5579.9927	5579.9929
-20	5579.9928	5579.9927	5579.9928	5579.9930
-10	5579.9939	5579.9928	5579.9926	5579.9935
0	5579.9931	5579.9929	5579.9935	5579.9937
10	5579.9937	5579.9926	5579.9938	5579.9938
20	5579.9929	5579.9938	5579.9937	5579.9935
30	5579.9935	5579.9938	5579.9936	5579.9934
40	5579.9924	5579.9933	5579.9934	5579.9936
50	5579.9928	5579.9929	5579.9931	5579.9938
60	5579.9929	5579.9928	5579.9936	5579.9938
70	5579.9932	5579.9926	5579.9939	5579.9935
Max. Deviation (MHz)	0.0083	0.0074	0.0076	0.0072
Max. Deviation (ppm)	1.49	1.33	1.36	1.29
Result	Complies			

Mode: 80 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9647	5289.9640	5289.9635	5289.9632
110.00	5289.9641	5289.9632	5289.9626	5289.9625
93.50	5289.9640	5289.9639	5289.9633	5289.9631
Max. Deviation (MHz)	0.0360	0.0368	0.0374	0.0375
Max. Deviation (ppm)	6.81	6.96	7.07	7.09
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5289.9737	5289.9835	5289.9823	5289.9819
-30	5289.9888	5289.9884	5289.9879	5289.9876
-20	5289.9882	5289.9875	5289.9866	5289.9862
-10	5289.9872	5289.9867	5289.9859	5289.9854
0	5289.9863	5289.9860	5289.9856	5289.9851
10	5289.9844	5289.9837	5289.9836	5289.9833
20	5289.9830	5289.9829	5289.9828	5289.9818
30	5289.9756	5289.9747	5289.9743	5289.9737
40	5289.9742	5289.9740	5289.9731	5289.9723
50	5289.9825	5289.9816	5289.9814	5289.9812
60	5289.9749	5289.9747	5289.9741	5289.9732
70	5289.9726	5289.9723	5289.9715	5289.9710
Max. Deviation (MHz)	0.0274	0.0277	0.0285	0.0290
Max. Deviation (ppm)	5.18	5.24	5.39	5.48
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5520 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5519.9646	5519.9643	5519.9648	5519.9647
110.00	5519.9645	5519.9645	5519.9635	5519.9645
93.50	5519.9642	5519.9644	5519.9641	5519.9642
Max. Deviation (MHz)	0.0358	0.0357	0.0365	0.0358
Max. Deviation (ppm)	6.49	6.47	6.61	6.49
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5520 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5519.9735	5519.9733	5519.9728	5519.9728
-30	5519.9741	5519.9732	5519.9729	5519.9741
-20	5519.9727	5519.9734	5519.9725	5519.9744
-10	5519.9731	5519.9735	5519.9734	5519.9738
0	5519.9734	5519.9736	5519.9738	5519.9731
10	5519.9736	5519.9738	5519.9739	5519.9736
20	5519.9738	5519.9735	5519.9737	5519.9737
30	5519.9736	5519.9736	5519.9734	5519.9732
40	5519.9732	5519.9742	5519.9728	5519.9731
50	5519.9731	5519.9735	5519.9727	5519.9734
60	5519.9734	5519.9734	5519.9729	5519.9728
70	5519.9735	5519.9732	5519.9735	5519.9729
Max. Deviation (MHz)	0.0273	0.0268	0.0275	0.0272
Max. Deviation (ppm)	4.95	4.86	4.98	4.93
Result	Complies			

4.8. Antenna Requirements

4.8.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.8.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-l0-7	N/A	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Dec. 25, 2017	Conducted (TH01-CB)
Temp. and Humidity Chamber	Gaint Force	GTH-408-40-CP-AR	MAA1410-011	-40~100 degree	Sep. 15, 2017	Sep. 14, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Nov. 21, 2017	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410002	50MHz~18GHz	Nov. 22, 2016	Nov. 21, 2017	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%
Frequency Stability	6.06×10^{-8}	Confidence levels of 95%